



U.S. Department  
of Transportation

**National Highway  
Traffic Safety  
Administration**

400 Seventh Street, S.W.  
Washington, D.C. 20590

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Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.

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AUTO SAFETY HOTLINE  
(800) 424-9393  
Wash. D.C. Area 366-0123

UMTRI - 96 - 8  
VERSION 05

**UM-3724-98**  
**1998 Dodge Durango**

# In-depth Vehicle Occupant Report

The University  
of Michigan  
Transportation  
Research Institute



UMIVOR-UMIVOR-UMIVOR

## **DISCLAIMERS**

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The crash investigation process is an inexact science which requires that physical evidence such as skid marks, vehicular damage measurements, and occupant contact points are coupled with the investigator's expert knowledge and experience of vehicle dynamics and occupant kinematics in order to determine the pre-crash, crash, and post-crash movements of involved vehicles and occupants.

Because each crash is a unique sequence of events, generalized conclusions cannot be made concerning the crashworthiness performance of the involved vehicle(s) or their safety systems.

Case Vehicle (A): 1998 Dodge  
Type: Durango SLT, 4-door 4 x 4  
Driver: 26-year-old male  
CDC: 12-FDEW-2

Veh. (B): 1997 Nissan  
Type: Maxima, 4-door sedan  
Driver: 18-year-old male  
CDC: 99-ØØØØ-Ø

### Situation

(Slide 1) Case vehicle (A) was traveling north up a slope at a driver-estimated speed of 65 kph (40 mph) in the northbound through lane of a (slide 2) 3-lane asphalt road in a urban residential area. It was daylight, the sky was clear, and the road surface was dry and in good condition. Vehicle (B) was traveling south in the left-turn lane of the same road. Vehicle (B) made a left turn and went into the path of case vehicle (A). Case vehicle (A) was unable to stop in time and struck vehicle (B) in the left side with its front. Vehicle (B) was not available for inspection.

(Slide 3) The body shop had removed and thrown away most of the damaged exterior parts of case vehicle (A), so no c-values were measured.

### Exterior Damage

(Slide 4) Damage to case vehicle (A) was moderate. (Slide 5) The force of the crash pushed the engine rearward, and the air cleaner/fuel injector was damaged due to contact with the firewall. (Slide 6) The radiator, upper radiator support, and (slide 7) engine compartment side rails were damaged and had been removed. (Slide 8) The hood was damaged. It is unknown if the rear edge of the hood was elevated, but it did not contact the undamaged windshield. (Slides 9 and 10) The front axle was damaged and the front wheels were out of alignment. (Slide 11) The left-front fender was damaged, but the wheelbase was increased 3 cm. (Slide 12) The right-front fender and right-front wheel were damaged, (slide 13) and the wheelbase was decreased 3 cm.

### Interior Damage

(Slide 14) This vehicle was equipped with steering-wheel and (slide 15) passenger frontal-impact airbags, which deployed. (Slides 16 and 17) There was no damage to the steering-wheel rim or (slides 18 and 19) spokes. (Slide 20) The steering column appeared to be rotated upward and to the left. There were no intrusions. (Slide 21) The lower instrument panel (knee bolster)

was contacted and damaged by driver right leg contact. (Slide 22) The driver's plastic shoulder belt anchor cover was damaged. (Slide 23) The glove box area was not damaged. (Slide 24) The left-front door interior was not damaged. (Slides 25, 26, 27, 28, 29, 30, 31, 32, 33 and 34) There was no other observable interior damage.

#### Occupant Injuries and Kinematics

(Slide 35) The 6-ft, 0-in, 26-year-old male driver was wearing the 3-point belt and the frontal-impact airbag deployed. The driver reportedly had his hands at the 3 and 9 o'clock positions on the steering wheel, his right foot on the brake, his left foot was on the floor, and (slide 36) the adjustable shoulder belt anchor was in the full-up position. (Slide 37) There was a deep groove in the drivers' 3-point belt webbing indicating use at the time of the crash. On impact, he continued forward and (slide 38) his right knee contacted the lower instrument panel (knee bolster), resulting in a fracture to his right patella. He sustained a contusion and an abrasion to his palmar right wrist, probably due to contact by the deploying airbag, or possibly due to contact with the steering-wheel rim.

(Slide 39) The 5-ft, 6-in, 24-year-old female right-front passenger was wearing the 3-point belt and the frontal-impact airbag deployed. (Slide 40) The adjustable shoulder belt anchor was in the full up position. (Slide 41) She reportedly was drinking out of a plastic soda bottle at the time of the crash. The deploying airbag contacted the bottle, which contacted her lower lip, resulting in a laceration. (Slide 42) On impact, her right leg moved forward and contacted the glove box area, resulting in a contusion to her shin.

(Slide 43) The 5-month-old female right-rear passenger was restrained by the child seat harness in a rearward-facing child seat that was belted into the vehicle by the 3-point belt. She did not sustain an injury.

(Slides 44, 45 and 46) The attached tables summarize the injuries sustained by the driver, right-front occupant, and right-rear occupant.

Occupant: Driver  
Restraints: 3-point belt worn; airbag deployed

Age: 26 years  
Stature: 183 cm (6 ft 0 in)

Sex: Male  
Mass: 84 kg (185 lb)

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
Contusion and abrasion, palmar right wrist	1	Lower instrument panel (knee bolster)	Airbag	Steering-wheel rim
Fracture, right patella	2			
<u>Maximum A.I.S. Level</u>	<u>2</u>			
<u>Injury Severity Score</u>	<u>5</u>			

Occupant: Right front  
Restraints: 3-point belt worn; airbag deployed

Age: 24 years  
Stature: 168 cm (5 ft 6 in)

Sex: Female  
Mass: 57 kg (125 lb)

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
Laceration, lower lip	1	Pop bottle/airbag-induced		
Contusion, right shin	1	Glove box area		
<u>Maximum A.I.S. Level</u>	<u>1</u>			
<u>Injury Severity Score</u>	<u>1</u>			

Occupant: Right second seat  
Restraints: Properly belted into rearward facing child seat;  
Child seat properly belted to vehicle seat

Age: 5 months  
Stature: 66 cm (2 ft 2 in)

Sex: Female  
Mass: 6 kg (14 lb)

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
No injury	0			
<u>Maximum A.I.S. Level</u>	<u>0</u>			
<u>Injury Severity Score</u>	<u>0</u>			

30

1

0 3 7 2 4  
3 7

$$\begin{array}{r} 4 \\ \hline 16 \end{array} \quad \begin{array}{r} 6 \\ \hline 12 \end{array}$$

1

**TEAM REPORT NUMBER**

A      D

0      1

0      5  
13

U M - 3 7 2 4 - 9 8  
18 27

9      9  
38      39

**38**                      **39**

**(98) Not Applicable**

[REDACTED] / 98

[REDACTED]

                    , Michigan

**SLIDES**

## POLAROIDS

[REDACTED]

# GENERAL INFORMATION GI-1

[illegible]



## GENERAL INFORMATION GI-3

## CRASH DETAILS

## CASE VEHICLE AND OBJECT

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
45

## CASE VEHICLE ROLLOVER

- (0) NO ROLLOVER  
(1) YES, FIRST EVENT  
(2) YES, SUBSEQUENT EVENT  
(3) YES, SEQUENCE UNKNOWN  
(9) UNKNOWN

0  
46

CASE VEHICLE RAN OFF ROADWAY  
(BEFORE FIRST IMPACT)

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
47

MOVING CASE VEHICLE AND  
CONTACTED MOVING VEHICLE

- (0) NO  
(1) YES  
(9) UNKNOWN

1  
48

CASE VEHICLE AND  
CONTACTED STOPPED VEHICLE

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
49

STOPPED CASE VEHICLE AND  
CONTACTED VEHICLE

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
50

TOTAL NUMBER  
OF VEHICLES CONTACTED  
BY CASE VEHICLE IN CRASH

- (8) 8 OR MORE  
(9) UNKNOWN

1  
51

ANY FIRE IN THIS CRASH  
(NOT JUST CASE VEHICLE)

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
52

HIGHEST POLICE INJURY  
SEVERITY CODE IN CRASH  
(NOT JUST CASE VEHICLE)

- (0) O - NO INJURY  
(1) C - POSSIBLE INJURY  
(2) B - NON-INCAPACITATING INJURY  
(3) A - INCAPACITATING INJURY  
(4) K - FATAL  
(5) INJURED, SEVERITY UNKNOWN  
(6) DIED PRIOR TO ACCIDENT  
(7) NON-FATAL INJURY  
SEVERITY UNKNOWN  
(9) UNKNOWN

3  
53

## DRIVER IMPAIRMENT

DRIVER ALCOHOL INVOLVEMENT  
(CASE VEHICLE)

- (0) NONE  
(1) YES  
(9) UNKNOWN/NOT REPORTED/  
NO DRIVER

0  
54

DRIVER ALCOHOL BAC  
(CASE VEHICLE)

- (80) NO TEST  
(90) CHEMICAL TESTS, NO RESULTS  
(95) AUTOPSY, NO RESULTS  
(99) UNKNOWN

8 0  
55 56

WAS THERE MENTION OF DRIVER  
IMPAIRMENT FOR CASE VEHICLE?

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
57

## LIST IMPAIRMENTS MENTIONED:

## POST - CRASH DETAIL

MANNER CASE VEHICLE  
LEFT SCENE

- (1) DRIVEN  
(2) TOWED DUE TO DAMAGE  
(3) TOWED, NOT DUE TO DAMAGE  
(4) TOWED, REASON UNKNOWN  
(9) UNKNOWN

2  
58

## ACCIDENT SCHEMATIC

ACCIDENT DESCRIPTION: Case veh. (A) was traveling north and  
veh. (B) was traveling south on the same road.

CASE VEHICLE (A): 1998 Dodge DUEANO

OTHER VEHICLE (B): 1997 Nissan MAXIMA

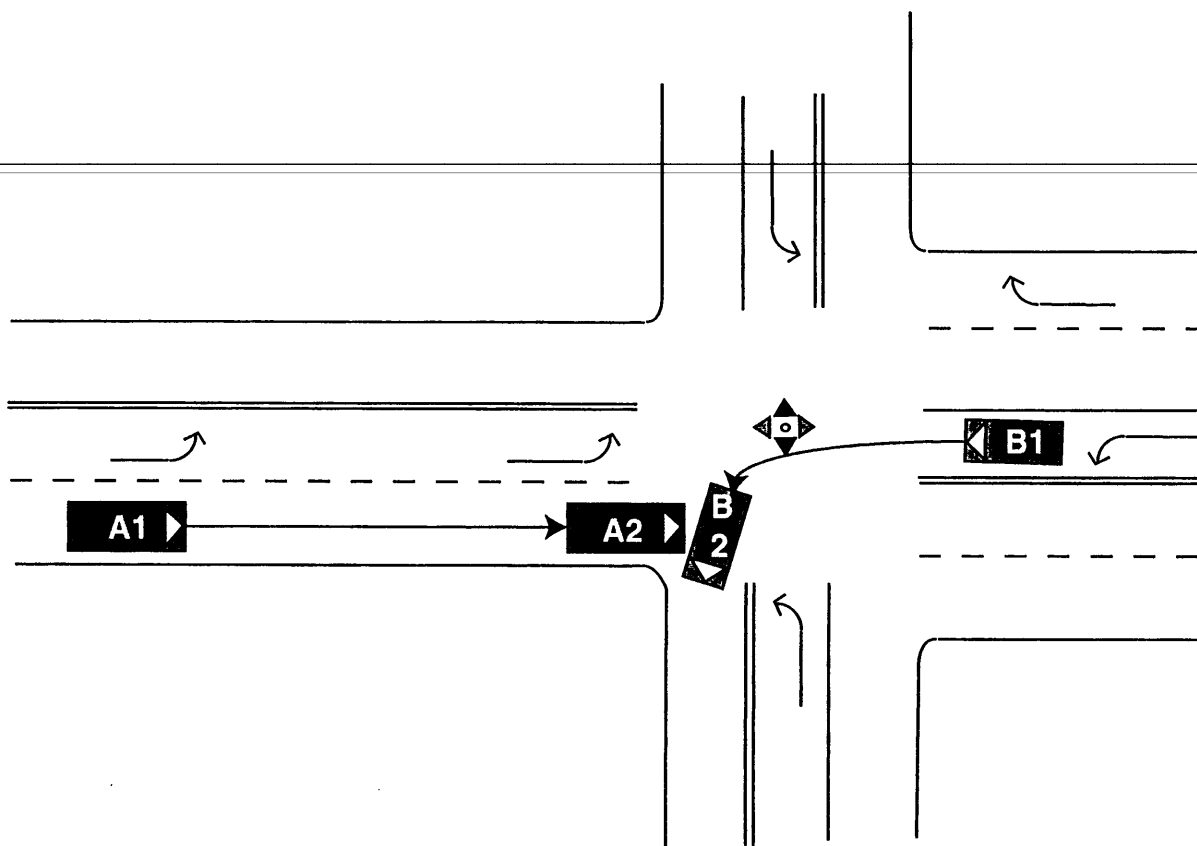
THIRD VEHICLE (C): \_\_\_\_\_

Veh. (B) turned left into the path of case veh. (A).

Case veh. (A) was unable to stop and struck veh. (B) in the right side  
with its front.



NORTH



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9 10 11 12

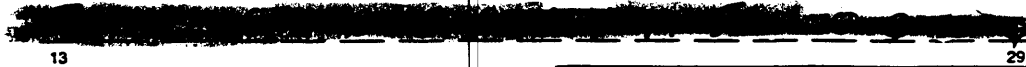
OTHER VEHICLE OV-1

MAKE: NISSAN

CARGO: \_\_\_\_\_

MODEL: MAXIMA, 4-door sedan

VIN



MANUFAC/BODY CODE

8 6 1 2 8  
30 34

MAKE/MODEL CODE

1 5 1 3  
38

MODEL YEAR

1 9 9 7

VEHICLE MASS (kg)

0 0 1 3 6 9  
41 46IF SEPARATE REPORT WAS MADE,  
GIVE VEHICLE NUMBER0NUMBER OF OCCUPANTS  
(ENTER 9'S IF UNKNOWN)0 1  
49

TRAVELING SPEED (km/h)

9 9 9  
52

- (000) PARKED OR STOPPED  
 (995) JUST STARTING UP  
 (996) BACKING UP  
 (997) SPEED NOT EXCESSIVE (BUT UNKNOWN)  
 (998) SPEED EXCESSIVE (BUT UNKNOWN)  
 (999) UNKNOWN

HIGHEST POLICE INJURY SEVERITY  
CODE FOR THIS VEHICLE

- (0) O - NO INJURY  
 (1) C - POSSIBLE INJURY  
 (2) B - NON-INCAPACITATING INJURY  
 (3) A - INCAPACITATING INJURY  
 (4) K - FATAL  
 (5) INJURED, SEVERITY UNKNOWN  
 (6) DIED PRIOR TO ACCIDENT  
 (7) NON-FATAL INJURY  
     SEVERITY UNKNOWN  
 (8) UNOCCUPIED VEHICLE  
     (NOT APPLICABLE)  
 (9) UNKNOWN

3  
53

## VEHICLE TYPE

## PASSENGER VEHICLE

- (02) LARGE  
 (03) LIMOUSINE  
 (17) PICKUP CAR  
 (20) UNKNOWN PASSENGER VEHICLE BODY  
 (24) SUB-MINI  
 (25) MINI  
 (26) SUB-COMPACT  
 (27) COMPACT  
 (28) INTERMEDIATE  
 (29) FULL

2 8  
54 55

## MULTIPURPOSE PASSENGER VEHICLE

- (14) SMALL UTILITY (WHEELBASE LESS THAN 107",  
E.G. JEEP, BRONCO)  
 (15) LARGE UTILITY (WHEELBASE MORE THAN 107",  
E.G. PANEL TRUCK, SUBURBAN)  
 (16) PICKUP TRUCK WITH CANOPY/SHELL COVER  
 (17) PICKUP CAR WITH CANOPY/SHELL COVER  
 (21) MOTOR HOME  
 (22) PICKUP TRUCK WITH SLIDE-IN CAMPER  
 (23) PICKUP CAR WITH SLIDE-IN CAMPER  
 (31) CHASSIS-MOUNTED CAMPER

## TRUCK

- (11) VAN  
 (12) PICKUP TRUCK  
 (13) UNKNOWN LIGHT TRUCK  
 (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)  
 (16) PICKUP TRUCK WITH CANOPY/SHELL COVER  
 (22) PICKUP TRUCK WITH SLIDE-IN CAMPER  
 (30) UNKNOWN TRUCK TYPE  
 (31) CHASSIS-MOUNTED CAMPER  
 (33) DELIVERY VAN (WALK-IN)  
 (34) STRAIGHT TRUCK  
 (35) TRUCK-TRACTOR (BOBTAIL)  
 (36) CHASSIS-CAB  
 (37) UNKNOWN HEAVY TRUCK  
 (38) TRACTOR & SEMI-TRAILER (SEMI)  
 (39) TRUCK (OR SEMI) & FULL TRAILER(S)

## BUS

- (40) UNKNOWN BUS TYPE  
 (41) SCHOOL BUS  
 (42) INTERCITY BUS (BETWEEN CITIES)  
 (43) TRANSIT BUS (INTRACITY)  
 (44) STREETCAR (ON TRACKS)

- (68) TRAIN (CARS)  
 (69) LOCOMOTIVE (ENGINE, SWITCHER)

(99) UNKNOWN

WHEELBASE (cm)  
(999) UNKNOWN2 7 0  
56 57 58

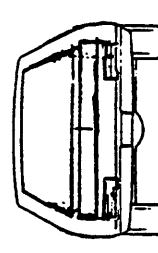
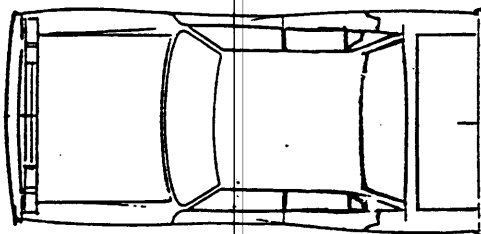
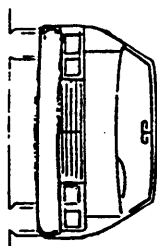
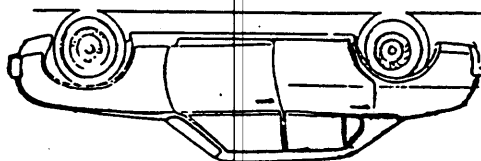
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9 10 11 12

OTHER VEHICLE OV-2

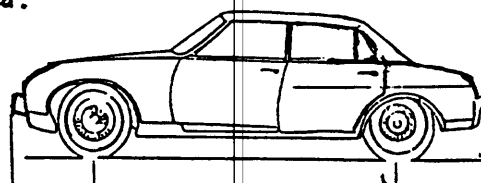
## ORIGINAL SPECIFICATIONS

Wheelbase 270 cmFront Overhang 100 cm  
22 24Curb Weight 1369 kgRear Overhang 108 cm  
25 27Average Track Width 151 cm  
13 15Undeformed End Width (UEW) 147 cm  
28 30Overall Length 477 cm  
16 18Engine Displacement 3.0 L  
31 32Overall Width (OAW) 177 cm  
19 21Engine: # of Cylinders 06  
33 34

## VEHICLE DAMAGE



*This vehicle was  
not inspected.*



## FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more  
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL) 999 cm  
35 37Front-End Overlap (Percent) =  $\frac{DDL}{UEW}$  99 %  
38 39Vehicle Overlap (Percent) =  $\frac{DDL + 1/2 (OAW - UEW)}{OAW}$  99 %  
40 41



## VEHICLE DESCRIPTION VD-2

## TYPE OF BRAKES

- (1) DRUM, ALL WHEELS  
 (2) DISC, FRONT WHEELS  
 (3) DISC, ALL WHEELS  
 (9) UNKNOWN

2  
66

WHEELBASE (cm)  
 (999) Unknown

294  
74 75 76

## BRAKE ANTI-LOCK DEVICE

- (0) NONE INSTALLED  
 (1) TWO-WHEEL  
 (2) FOUR-WHEEL  
 (7) EQUIPPED, UNKNOWN WHEELS  
 (9) UNKNOWN

1  
67

PLASTIC ANTI-LACERATIVE  
 INNER LAYER GLASS EQUIPPED

- (0) NONE  
 (1) WINDSHIELD  
 (2) WINDSHIELD AND SIDE  
 (7) OTHER  
 (9) UNKNOWN

0  
77

## AIR CONDITIONING IN VEHICLE

- (0) NO  
 (1) YES  
 (8) NOT COLLECTED  
 (9) UNKNOWN

8  
68

## TYPE OF DRIVE

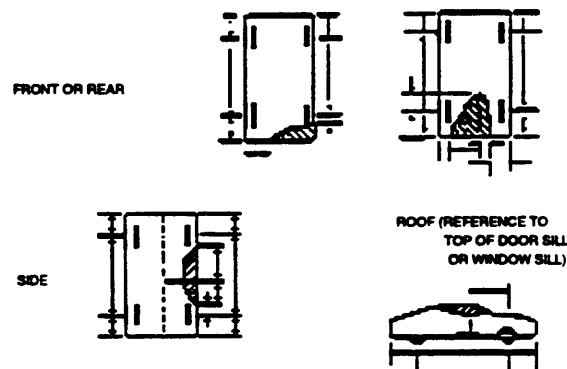
- (1) REAR WHEEL  
 (2) FRONT WHEEL  
 (3) FOUR WHEEL  
 (4) ALL WHEEL DRIVE  
 (9) UNKNOWN

1  
69

## FIELD INVESTIGATOR INSTRUCTIONS:

1. INDICATE CRUSHED AREAS BY OUT-LINING NEW PERIMETER OF VEHICLE AND SHADING THE DAMAGED AREAS ON THE LARGE SKETCH ON PAGE VD-3. USE AS MANY SKETCHES AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.
2. ENTER THE DIMENSIONS ON THE SKETCH(ES) MEASURED TO THE POINT OF MAXIMUM PENETRATION BY THE OBJECT(S) CONTACTED. USE THE EXAMPLES BELOW AS A GUIDE.
3. ENTER THE THREE DIMENSIONS TO THE CENTER OF THE WHEELS (WHEELBASE, FRONT AND REAR OVERHANGS) ON BOTH SIDES OF THE CAR.
4. ADD OTHER DIMENSIONS AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.

## EXAMPLES:



## DUAL REAR WHEELS

- (0) NO  
 (1) YES  
 (9) UNKNOWN

0  
70

## ORIGINAL TYPE OF RESTRAINT SYSTEM

- (1) ACTIVE BELT  
 (2) PASSIVE BELT  
 (3) AIRBAG  
 (4) KNEE BOLSTERS  
 (7) OTHER: \_\_\_\_\_  
 (8) NOT APPLICABLE (NOT EQUIPPED)  
 (9) UNKNOWN

3  
71

## EQUIPPED WITH ROLL BAR

- (0) NO  
 (1) YES  
 (9) UNKNOWN

0  
72

## TYPE OF ROOF

- (0) NONE  
 (1) SOLID  
 (2) T-TOP CLOSED  
 (3) T-TOP OPEN  
 (4) SUN ROOF CLOSED  
 (5) SUN ROOF OPEN  
 (6) CONVERTIBLE CLOSED  
 (7) CONVERTIBLE OPEN  
 (8) OTHER: \_\_\_\_\_  
 (9) UNKNOWN

1  
73

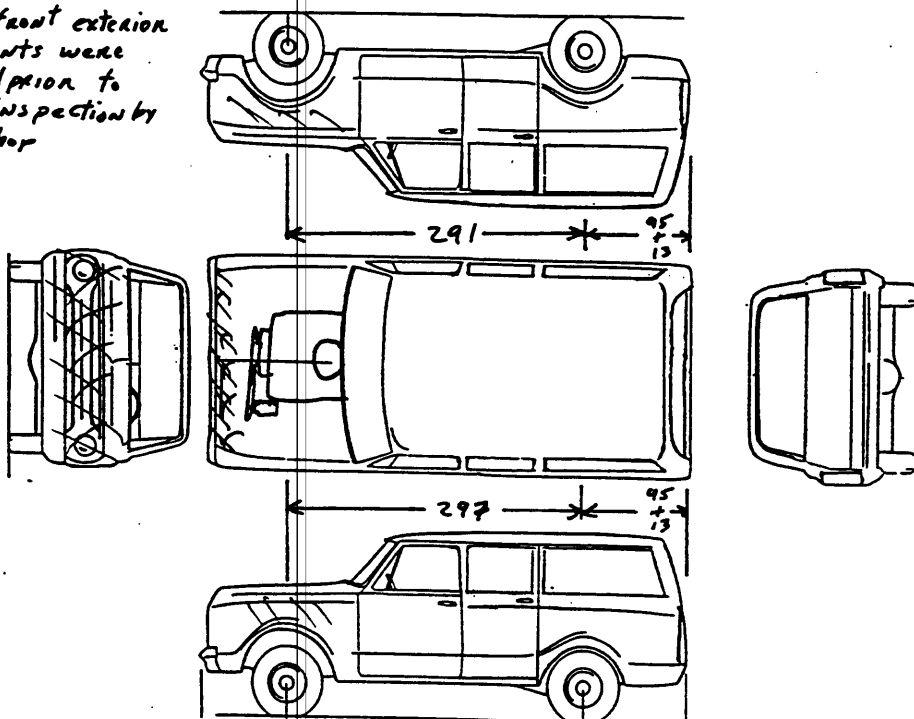
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9 10 11 12

## VEHICLE DESCRIPTION VD-3

## ORIGINAL SPECIFICATIONS

Wheelbase 294 cmFront Overhang 089 cm  
22 24Curb Weight 2025 kgRear Overhang 110 cm  
25 27Average Track Width 159 cm  
13 15Undeformed End Width (UEW) 162 cm  
28 30Overall Length 491 cm  
16 18Engine Displacement 5.2 L  
31 32Overall Width (OAW) 182 cm  
19 21Engine: # of Cylinders 06  
33 34

## VEHICLE DAMAGE

*All front exterior  
components were  
removed prior to  
vehicle inspection by  
body shop*

## FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more  
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL)

UNKNOWN  
999 cm  
35 37Front-End Overlap (Percent) =  $\frac{DDL}{UEW}$ 99%  
38 39Vehicle Overlap (Percent) =  $\frac{DDL + 1/2 (OAW - UEW)}{OAW}$ 99%  
40 41



Duplicate columns 1-8  
from the previous card.Module D A Format 0 1  
9 10 11 12

DAMAGE DA-2

## MAXIMUM SHEET METAL CRUSH

(cm) (999) UNKNOWN

FRONT 9 9 9  
13 15RIGHT SIDE 0 0 0  
16 18REAR 0 0 0  
19 21LEFT SIDE 0 0 0  
22 24ROOF 0 0 0  
25 27OTHER 0 0 0  
28 30CHRONOLOGICAL SEQUENCE  
OF DAMAGE/INJURY PRODUCING CRASH EVENTS  
FOR CASE VEHICLENOTE: IF CHRONOLOGICAL ORDER  
IS UNKNOWN, EVENT  
ORDER IS OPTIONAL.DO YOU KNOW THIS TABLE  
TO BE IN CHRONOLOGICAL ORDER? 1

31

(0) NO  
(1) YES

EVENT NUMBER	IMPACT LOCATION (1) ON ROADWAY (2) SHOULDER/MEDIAN/GORE (3) ON ROADSIDE (4) OUTSIDE ROADSIDE RIGHT-OF-WAY (5) OTHER (6) OFF ROADWAY, LOC. UNK. (9) UNKNOWN	IMPACT CONFIGURATION FOR CODES, SEE TABLE ON PAGE DA-3.	OBJECT/VEHICLE CONTACTED FOR CODES, SEE TABLE ON PAGE DA-4.
# 1	<u>1</u> 32	<u>13</u> 34	<u>28</u> 36
#2	<u>      </u> 37	<u>      </u> 39	<u>      </u> 41
#3	<u>      </u> 42	<u>      </u> 44	<u>      </u> 46
#4	<u>      </u> 47	<u>      </u> 49	<u>      </u> 51
#5	<u>      </u> 52	<u>      </u> 54	<u>      </u> 56
#6	<u>      </u> 57	<u>      </u> 59	<u>      </u> 61
#7	<u>      </u> 62	<u>      </u> 64	<u>      </u> 66

DAMAGE DA-3

CODES FOR  
IMPACT CONFIGURATIONFRONT OF CASE VEHICLE

- (11) AND FRONT OF CONTACTED VEHICLE
- (13) AND SIDE OF CONTACTED VEHICLE
- (14) AND REAR OF CONTACTED VEHICLE
- (16) ENDSWIPED BY CONTACTED VEHICLE
- (17) AND OBJECT
- (19) AND UNKNOWN OTHER VEHICLE CONFIGURATION

LEFT SIDE OF CASE VEHICLE

- (21) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (22) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (23) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (24) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (25) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (26) SIDESWIPED BY CONTACTED VEHICLE
- (27) AND OBJECT
- (29) AND UNKNOWN OTHER VEHICLE CONFIGURATION

REAR OF CASE VEHICLE

- (31) AND FRONT OF CONTACTED VEHICLE
- (33) AND SIDE OF CONTACTED VEHICLE
- (34) AND REAR OF CONTACTED VEHICLE
- (36) ENDSWIPED BY CONTACTED VEHICLE
- (37) AND OBJECT
- (39) AND UNKNOWN OTHER VEHICLE CONFIGURATION

RIGHT SIDE OF CASE VEHICLE

- (41) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (42) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (43) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (44) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (45) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (46) SIDESWIPED BY CONTACTED VEHICLE
- (47) AND OBJECT
- (49) AND UNKNOWN OTHER VEHICLE CONFIGURATION

## OTHER

- (57) VEHICLE TO OBJECT
- (58) VEHICLE TO VEHICLE
- (59) VEHICLE TO VEHICLE, CONFIGURATION UNKNOWN

## ROLLOVER

- (61) LESS THAN 360°
- (62) 360° OR MORE
- (69) DETAILS UNKNOWN

## UNKNOWN

- (99) IMPACT TYPE UNKNOWN

DAMAGE DA-4

## CODES FOR VEHICLE/OBJECT CONTACTED

## VEHICLE/OBJECT GROUPS

- (00) NO OBJECT
- (01) - (39) PASSENGER VEHICLE & TRUCK
- (40) - (69) OTHER VEHICLE
- (70) - (76) PEDESTRIAN & ON-ROADWAY OBJECT
- (77) - (97) OFF-ROADWAY OBJECT

- (98) OTHER (DESCRIBE)
- (99) UNKNOWN

## PASSENGER VEHICLE

- (02) LARGE
- (03) LIMOUSINE
- (17) PICKUP
- (20) UNKNOWN PASSENGER VEHICLE BODY
- (24) SUB-MINI
- (25) MINI
- (26) SUB-COMPACT
- (27) COMPACT
- (28) INTERMEDIATE
- (29) FULL

## SIZE

## WHEELBASE

- |              |                                |
|--------------|--------------------------------|
| SUB-MINI     | < 2286 mm (< 90")              |
| MINI         | 2286 - 2412 mm (90" - 94.9")   |
| SUB-COMPACT  | 2413 - 2539 mm (95" - 99.9")   |
| COMPACT      | 2540 - 2666 mm (100" - 104.9") |
| INTERMEDIATE | 2667 - 2793 mm (105" - 109.9") |
| FULL         | 2794 - 2920 mm (110" - 114.9") |
| LARGE        | 2921 - 3174 mm (115" - 124.9") |
| LIMOUSINE    | > 3175 mm (> 125")             |

## MULTIPURPOSE PASSENGER VEHICLE

- (11) SMALL VAN (MINI)
- (12) PICKUP
- (14) SMALL UTILITY (WHEELBASE LESS THAN 107",  
E.G. JEEP, BRONCO)
- (15) LARGE UTILITY (WHEELBASE MORE THAN 107",  
E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (17) PICKUP CAR WITH CANOPY/SHELL COVER
- (21) MOTOR HOME
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (23) PICKUP CAR WITH SLIDE-IN CAMPER
- (31) CHASSIS-MOUNTED CAMPER

## TRUCK

- (11) SMALL VAN (E.G. ECONOLINE)
- (12) PICKUP TRUCK
- (13) UNKNOWN LIGHT TRUCK
- (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (30) UNKNOWN TRUCK TYPE
- (31) CHASSIS-MOUNTED CAMPER
- (33) DELIVERY VAN (WALK-IN)
- (34) STRAIGHT TRUCK
- (35) TRUCK-TRACTOR (BOBTAIL)
- (36) CHASSIS-CAB
- (37) UNKNOWN HEAVY TRUCK
- (38) TRACTOR & SEMI-TRAILER (SEMI)
- (39) TRUCK (OR SEMI) & FULL TRAILER(S)

## BUS

- (40) UNKNOWN BUS TYPE
- (41) SCHOOL BUS
- (42) INTERCITY BUS (BETWEEN CITIES)
- (43) TRANSIT BUS (INTRACITY)
- (44) STREETCAR (ON TRACKS)

## MOTORCYCLE

- (50) UNKNOWN MOTORCYCLE TYPE
- (51) 1 - 75 cc
- (52) 76 - 125 cc
- (53) 126 - 250 cc
- (54) 251 - 500 cc
- (55) 501 - 750 cc
- (56) 751 cc +
- (57) 3-WHEELS (OR WITH SIDECAR)

## SPECIAL PURPOSE VEHICLE

- (60) UNKNOWN/OTHER SPECIAL VEHICLE (DESCRIBE)
- (61) SNOWMOBILE
- (62) ATV (ALL TERRAIN VEHICLE)
- (63) AMPHIBIOUS VEHICLE
- (64) FARM VEHICLE
- (65) CONSTRUCTION VEHICLE
- (66) TRAILER, PRIVATE (CAMPER)
- (67) TRAILER, COMMERCIAL (CARGO)
- (68) TRAIN (CARS)
- (69) LOCOMOTIVE (ENGINE, SWITCHER)

## OBJECT

- (70) PEDESTRIAN
- (71) BICYCLIST, OTHER PEDALCYCLIST
- (72) PEDESTRIAN CONVEYANCE (E.G. PERSON RIDING  
ANIMAL, CART)
- (73) LARGE ANIMAL
- (74) FALLEN OBJECT (E.G. OBJECT DISLODGED FROM  
OTHER VEHICLE, FALLEN TREE, ROCKS)
- (75) ROCKS
- (76) CONSTRUCTION EQUIPMENT (EXCLUDING (65))
- (77) SIGN POST, UTILITY POLE, TREE..
- (78) DITCH
- (79) EMBANKMENT, SNOWBANK, RR TRACKS RR X
- (80) GROUND (ROLLOVER ONLY)
- (81) CURB (DAMAGE PRODUCING IMPACTS ONLY)
- (82) CULVERT
- (83) FENCE
- (84) HYDRANT, SHORT POST, STUMP
- (85) SMALL POST/TREE, RURAL MAIL BOX, MILE  
MARKER, DELINEATOR
- (86) BUILDING
- (87) PIER, PILLAR, BRIDGE SUPPORT
- (88) ABUTMENT, RETAINING WALL
- (89) BRIDGE RAIL
- (90) GUARD RAIL, LEADING SECTION
- (91) GUARD RAIL, MIDDLE OR UNKNOWN
- (92) GUARD RAIL, TRAILING SECTION
- (93) GUARD POST (TIMBER, METAL, CONCRETE)
- (94) CABLE, FENCE BARRIER
- (95) CONCRETE BARRIER (MEDIAN)
- (96) IMPACT ATTENUATOR
- (97) BREAKAWAY FEATURES

Duplicate columns 1-8 from the previous card.		Module <u>C</u> <u>R</u> Format <u>0</u> <u>1</u> 9 10 11 12		CRASH RECONSTRUCTION CR-1 for $\Delta V$			
		CASE VEHICLE PRIMARY IMPACT			CASE VEHICLE SECONDARY IMPACT		
		CASE VEHICLE	CONTACTED VEHICLE	CASE VEHICLE	CONTACTED VEHICLE		
EVENT NUMBER		<u>1</u> 13		<u>47</u>			
$\Delta V$ (km/h)	TOTAL	<u>9</u> 14 15 16	<u>9</u> 32 33 34	<u>48</u> <u>49</u> <u>50</u>	<u>66</u> <u>67</u> <u>68</u>		
	LONGITUDINAL*	<u>9</u> 17 20	<u>9</u> 35 38	<u>51</u> <u>54</u>	<u>69</u> <u>72</u>		
	LATERAL*	<u>9</u> 21 24	<u>9</u> 39 42	<u>55</u> <u>58</u>	<u>73</u> <u>76</u>		
* NOTE: THESE $\Delta V$ COMPONENTS MUST INCLUDE SIGN.							
EXAMPLES: 10 km/h = $\pm 010$ -7 km/h = $-007$							
ENERGY DISSIPATED BY CRUSH (kj)		<u>9</u> 25 28	<u>9</u> 43 46	<u>59</u> <u>62</u>	<u>77</u> <u>80</u>		
RECONSTRUCTION							
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL		<u>02</u> 29 30		<u>63</u> <u>64</u>			
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL							
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL							
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL							
NOT RECONSTRUCTED BECAUSE							
(02) INSUFFICIENT DATA							
(03) EXCESSIVE UNDERRIDE/ OVERRIDE							
(04) ROLLOVER							
(05) VAULTING							
(06) OTHER TRAVEL IN MORE THAN ONE PLANE							
(07) NON-HORIZONTAL FORCE							
(08) SIDESWIPE-TYPE DAMAGE							
(09) YIELDING OBJECT							
(10) OTHER: _____							
(11) AT LEAST ONE VEHICLE BEYOND SCOPE							
(12) OTHER VEHICLE NOT INSPECTED							
MODE							
(1) CDC ONLY		<u>5</u> 31		<u>65</u>			
(2) CDC & DETAILED DAMAGE							
(3) TRAJECTORY & CDC							
(4) TRAJECTORY & CDC & DETAILED DAMAGE							
(5) NOT RECONSTRUCTED							
COMPUTER PROGRAM SPECIFY: _____							

Duplicate columns 1-8  
from the previous card.Module C R Format 0 2  
9 10 11 12CRASH RECONSTRUCTION CR-2  
for EBS

	CASE VEHICLE PRIMARY IMPACT			CASE VEHICLE SECONDARY IMPACT		
	CASE VEHICLE	CONTACTED VEHICLE		CASE VEHICLE	CONTACTED VEHICLE	
EVENT NUMBER	<u>1</u> 13			<u>47</u>		
EBS (km/h) TOTAL	<u>9</u> — 14 15 16	<u>9</u> — 32 33 34		<u>48</u> <u>49</u> <u>50</u>	<u>66</u> <u>67</u> <u>68</u>	
LONGITUDINAL*	<u>9</u> — 17 — — 20	<u>9</u> — 35 — — 38		<u>51</u> — — <u>54</u>	<u>69</u> — — <u>72</u>	
LATERAL*	<u>9</u> — 21 — — 24	<u>9</u> — 39 — — 42		<u>55</u> — — <u>58</u>	<u>73</u> — — <u>76</u>	
*NOTE: THESE EBS COMPONENTS MUST INCLUDE SIGN.						
EXAMPLES: 10 km/h = ± 010 -7 km/h = - 007						
ENERGY DISSIPATED BY CRUSH (kj)	<u>9</u> — 25 — — 28	<u>9</u> — 43 — — 46		<u>59</u> — — <u>62</u>	<u>77</u> — — <u>80</u>	
RECONSTRUCTION						
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL	<u>02</u> 29 30			<u>63</u> <u>64</u>		
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL						
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL						
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL						
NOT RECONSTRUCTED BECAUSE						
(02) INSUFFICIENT DATA						
(03) EXCESSIVE UNDERRIDE/OVERRIDE						
(04) ROLLOVER						
(05) VAULTING						
(06) OTHER TRAVEL IN MORE THAN ONE PLANE						
(07) NON-HORIZONTAL FORCE						
(08) SIDESWIPE-TYPE DAMAGE						
(09) YIELDING OBJECT						
(10) OTHER: _____						
(11) AT LEAST ONE VEHICLE BEYOND SCOPE						
(12) OTHER VEHICLE NOT INSPECTED						
MODE						
(1) CDC ONLY	<u>5</u> 31			<u>65</u>		
(2) CDC & DETAILED DAMAGE						
(3) TRAJECTORY & CDC						
(4) TRAJECTORY & CDC & DETAILED DAMAGE						
(5) NOT RECONSTRUCTED						
COMPUTER PROGRAM SPECIFY: _____						

Duplicate columns 1-8  
from the previous card.Module C R Format 0 3  
9 10 11 12

## CRASH RECONSTRUCTION CR-3

- NOTES:
1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.
  2. MEASURE  $C_1$  TO  $C_6$  FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.
  3.  $D$  IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.
  4. USE THE CENTER OF THE WHEELBASE AS THE CG.

CASE VEHICLE

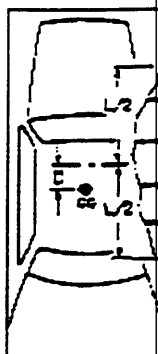
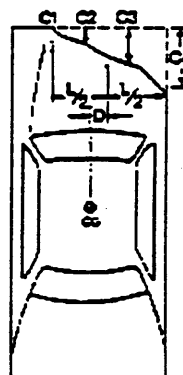
LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L

PLANE:

- (1) Bumper
- (2) Above Bumper
- (3) Sill
- (4) Above Sill
- (5) Other \_\_\_\_\_
- (9) Unknown

C6  
C5  
C4  
C3  
C2  
C1

DL \_\_\_\_\_

UDL \_\_\_\_\_

## CRUSH PROFILE IN CENTIMETERS

NOTE: Each line in the table below is a separate record (card).

Duplicate columns 1 - 12 for each completed line.

Specific Impact Number	Plane of Impact C-Measur.	Direct Damage		Field L	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	C <sub>5</sub>	C <sub>6</sub>	±D
		Length (DDL)	Max Crush								
1	9	999	999	999	999	999	999	999	999	999	+999
13	14	15 16 17	18 19 20	21 22 23	24 25 26	27 28 29	30 31 32	33 34 35	36 37 38	39 40 41	42 43 44 45
2											

Duplicate columns 1-8  
from the previous card.

Module C R Format 0 4  
9 10 11 12

# CRASH RECONSTRUCTION CR-4

## NOTES:

1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.
2. MEASURE  $C_1$  TO  $C_6$  FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.
3.  $D$  IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.
4. USE THE CENTER OF THE WHEELBASE AS THE CG.

OTHER VEHICLE

LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

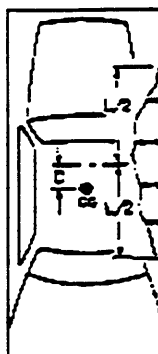
Specific Impact No.

Location of Direct Damage

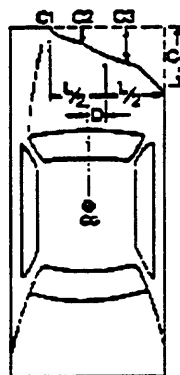
Location of Field L

## PLANE:

- (1) Bumper
- (2) Above Bumper
- (3) Sill
- (4) Above Sill
- (5) Other \_\_\_\_\_
- (9) Unknown



C6  
C5  
C4  
C3  
C2  
C1



DL \_\_\_\_\_

UDL \_\_\_\_\_

## CRUSH PROFILE IN CENTIMETERS

NOTE: Each line in the table below is a separate record (card).

Duplicate columns 1 - 12 for each completed line.

Specific Impact Number	Plane of Impact C-Measur.	Direct Damage		Field L	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	C <sub>5</sub>	C <sub>6</sub>	±D
		Length (DDL)	Max Crush								
1	9	999	999	999	999	999	999	999	999	999	-999
13	14	15 16 17	18 19 20	21 22 23	24 25 26	27 28 29	30 31 32	33 34 35	36 37 38	39 40 41	42 43 44 45
2											

Duplicate columns 1-8  
from the previous card.Module W T Format 0 1  
9 10 11 12

## WHEELS AND TIRES

WT-1

## WHEELS--DAMAGED

- (0) NO  
(1) YES  
(9) UNKNOWN

LF 0  
13RF 1RR 0LR 0  
16

SIZE (NOT DOT CODE. IF UNKNOWN, USE 9'S)

LF 311050R15  
25RF \_\_\_\_\_  
35RR \_\_\_\_\_  
45LR \_\_\_\_\_  
55

## TIRE TREAD TYPE

- (1) REGULAR  
(2) SNOW  
(3) SLICKS  
(4) ALL WEATHER (MS)  
(7) OTHER: \_\_\_\_\_  
(9) UNKNOWN

LF 4  
17RF 4RR 4LR 4  
20

## CARCASS CONSTRUCTION

- (1) BIAS  
(2) BELTED BIAS  
(3) RADIAL  
(4) ELLIPTICAL  
(5) HI PRESSURE SPARE  
(6) SPACE SAVER SPARE  
(7) OTHER: \_\_\_\_\_  
(9) UNKNOWN

LF 3  
21RF 3RR 3LR 3  
24

IF VEHICLE IS EQUIPPED WITH DUAL  
WHEELS, COMPLETE FOR OUTER WHEELS  
AND MAKE NOTES ON INNER WHEELS.

NOTES: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Duplicate columns 1-8  
from the previous card.Module F T Format 0 1  
9 10 11 12

## FUEL AND FUEL TANKS FT-1

## TYPE OF PROPULSIVE FUEL

- (1) GASOLINE
- (2) DIESEL OIL
- (3) LPG
- (4) ELECTRIC
- (7) OTHER: \_\_\_\_\_
- (9) UNKNOWN

1  
13

## AUXILIARY TANK TYPE

- (1) OEM TANK
- (2) AFTER MARKET TANK
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

8  
21

## MAIN TANK LOCATION

322  
14 16

## AUXILIARY TANK LOCATION

888  
22 24

## MAIN FILLER CAP LOCATION

113  
17 19

## AUXILIARY FILLER CAP LOCATION

888  
25 27

## MAIN TANK MATERIAL

3  
20

## AUXILIARY TANK MATERIAL

8  
28

## TANK AND FILLER CAP LOCATION CODES

## FIRST DIGIT (LONGITUDINAL)

- (1) BEHIND KICK-UP
- (2) IN KICK-UP
- (3) BETWEEN KICK-UP & COWL
- (4) FORWARD OF COWL
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

## SECOND DIGIT (LATERAL)

- (1) LEFT OF FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) RIGHT OF FRAME
- (4) DUAL, RIGHT & LEFT TANKS
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

## THIRD DIGIT (VERTICAL)

- (1) BELOW FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) ABOVE FRAME
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

## TANK MATERIAL CODES

- (1) STEEL
- (2) ALUMINUM
- (3) PLASTIC
- (7) OTHER
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

Duplicate columns 1-8  
from the previous card.Module E 1 Format 0 1  
9 10 11 12

FUEL LEAKAGE FL-1

## DID FUEL LEAKAGE RESULT FROM A CRASH EVENT

(0) NO KNOWN LEAKAGE SKIP PAGE.0  
13(1) YES COMPLETE PAGE.

LEAK NUMBER	I LEAKING COMPONENT	II COMPONENT SOURCE	III TYPE OF DAMAGE	IV SEVERITY OF DAMAGE	V LOCATION OF LEAK	EVENT NUMBER
#1	<u>    </u> <u>    </u> 14 15	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 21
#2	<u>    </u> <u>    </u> 22 23	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 29
#3	<u>    </u> <u>    </u> 30 31	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 37
#4	<u>    </u> <u>    </u> 38 39	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 45
#5	<u>    </u> <u>    </u> 46 47	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 53

## I LEAKING COMPONENT

## TANK AREA

- (11) MAIN FUEL TANK (INCLUDING  
VAPOR RECOVERY DOME)  
(12) AUXILIARY FUEL TANK  
(13) MAIN TANK FILLER TUBE  
(14) MAIN TANK CAP (GAS CAP)  
(15) AUXILIARY TANK FILLER TUBE  
(16) AUXILIARY TANK CAP (GAS CAP)  
(19) TANK AREA, DETAILS UNKNOWN

## DELIVERY SYSTEM

- (21) FUEL FEED LINE (MAIN TANK  
TO FUEL PUMP)  
(22) FUEL FEED LINE (AUXILIARY  
TANK TO FUEL PUMP)  
(23) FUEL RETURN LINE (FUEL  
PUMP TO TANK)  
(24) INLINE FUEL FILTER  
(25) FUEL LINE (PUMP TO  
CARBURETOR OR INJECTOR PUMP)  
(26) CARBURETOR TO INJECTOR PUMP  
(27) FUEL PUMP  
(29) DELIVERY SYSTEM, DETAILS  
UNKNOWN

## EVAPORATIVE EMISSION CONTROL SYSTEM

- (31) ATMOSPHERIC VENT PIPE  
(NON-EEC EQUIPPED)  
(32) EEC PIPE (VAPOR CANISTER  
TO CARBURETOR)

## EEC SYSTEM (CONTINUED)

- (33) VAPOR RECOVERY HOSES  
(CANISTER TO CARBURETOR)  
(34) LIQUID-VAPOR SEPARATOR  
(UNLESS PART OF TANK)  
(35) CANISTER  
(39) EEC SYSTEM, DETAILS  
UNKNOWN  
(49) ENGINE COMPARTMENT,  
COMPONENT UNKNOWN  
(99) COMPONENT UNKNOWN

## II COMPONENT SOURCE

- (1) OEM  
(2) AFTER MARKET  
(9) UNKNOWN

## III TYPE OF DAMAGE

- (1) DENTED/CRUSHED  
(2) PUNCTURED  
(3) RUPTURED  
(4) SEVERED/GROSS TEARS  
(5) DISCONNECTED/DEFEATED  
(9) UNKNOWN

## IV SEVERITY OF DAMAGE

- (1) MINOR  
(2) MODERATE  
(3) SEVERE  
(4) DISCONNECTED/DEFEATED  
(9) UNKNOWN

## V LOCATION OF LEAK

FIRST DIGIT  
(LONGITUDINAL LOCATION)

- (1) F. FORWARD OF COWL  
(2) P. BETWEEN COWL &  
REAR BULKHEAD  
(3) B. BEHIND REAR BULKHEAD  
(4) Y, F, & P  
(5) Z, P, & B  
(6) D. DISTRIBUTED  
(F, P & B)  
(9) UNKNOWN

SECOND DIGIT  
(LATERAL LOCATION)

- (1) L. LEFT  
(2) C. CENTER  
(3) R. RIGHT  
(4) Y. LEFT CENTER (L & C)  
(5) Z. RIGHT CENTER (R & C)  
(6) D. DISTRIBUTED  
(F, P & B)  
(9) UNKNOWN

Duplicate columns 1-8  
from the previous card.

Module F R Format 0 1  
9 10 11 12

FIRE FR-1

WAS THERE FIRE IN OR ON CASE VEHICLE?

(0) NO SKIP PAGE.

0  
13

(1) YES COMPLETE PAGE.

DID FIRE START IN CASE VEHICLE?

- (0) NO  
(1) YES  
(9) UNKNOWN

14

SEVERITY OF FIRE DAMAGE

- (1) MINOR  
(2) MODERATE  
(3) SEVERE  
(9) UNKNOWN

16

FLAME PROPOGATION RATE

- (1) RAPID/EXPLOSIVE  
(2) SLOW/MODERATE  
(9) UNKNOWN

15

DID AN INJURY TO CASE  
VEHICLE OCCUPANT RESULT FROM  
FIRE IN OR ON CASE VEHICLE?

- (0) NO  
(1) YES  
(9) UNKNOWN

17

PROVIDE NOTES IF FIRE OCCURRED.

Duplicate columns 1-8  
from the previous card.Module E D Format 0 1  
9 10 11 12

## EXTERIOR DAMAGE

ED-1

## HOOD PERFORMANCE

FOR THE FOLLOWING, USE CODES:

- (0) NO  
(1) YES  
(8) NOT APPLICABLE  
(9) UNKNOWN

HOOD LATCH(ES)- -RELEASED 9  
13-DAMAGED 9  
14-JAMMED 9  
15HOOD HINGES- -LEFT, DAMAGED 0  
16-LEFT, SEPARATED  
(COMPLETE) 8  
17-RIGHT, DAMAGED 0  
18-RIGHT, SEPARATED  
(COMPLETE) 8  
19HOOD REMAINED ON VEHICLE 1  
20REAR EDGE OF HOOD- -ELEVATED 9  
21-CONTACTED WINDSHIELD 0  
22-PENETRATED WINDSHIELD 8  
23

HOOD LATCH LOCATION

- (1) FRONT OF VEHICLE  
(2) COWL AREA  
(3) SIDE  
(8) NOT APPLICABLE  
(9) UNKNOWN

## ENGINE OR TRANSMISSION MOUNT

SEPARATION (COMPLETE)

- (0) NO  
(1) YES  
(9) UNKNOWN

## STEERING COL FLEXIBLE COUPLING

FLEXIBLE COUPLING TYPE

- (0) NONE  
(1) FLEXIBLE MATERIAL  
(2) POT  
(3) SINGLE U-JOINT  
(4) DOUBLE U-JOINT  
(5) FLEXIBLE CABLE  
(6) COMBINATION OF ABOVE  
(CIRCLE EACH)  
(7) OTHER: \_\_\_\_\_  
(8) EQUIPPED, TYPE UNKNOWN  
(9) UNKNOWN, IF EQUIPPED

9  
26

COUPLING-

-DAMAGED 9  
27(USE CODES  
FROM HOOD  
PERFORMANCE)-SEPARATED  
(COMPLETE) 9  
28

## ENG COMPART TELESCOPING UNIT

TYPE OF UNIT

- (00) NONE INSTALLED  
(01) - (07) SEE UNITS ON PAGE ED-2  
(88) NOT COLLECTED  
(97) OTHER: \_\_\_\_\_  
(98) EQUIPPED, TYPE UNKNOWN  
(99) UNKNOWN IF EQUIPPED

8 8  
29 30

ORIGINAL LENGTH (mm)

F (OR H): \_\_\_\_\_

TELESCOPED LENGTH (mm)

G: \_\_\_\_\_

DIFFERENCE (mm)

F (OR H) - G

(IF LESS THAN 15mm, ENTER "000".)

- (888) NOT COLLECTED  
(991) NOT MEASURED/NO  
COMPRESSION  
(992) COMPRESSED, AMOUNT  
UNKNOWN  
(993) DEVICE EXTENDED  
(997) UNABLE TO BE MEASURED  
(998) NOT APPLICABLE (NOT  
EQUIPPED)  
(999) UNKNOWN

8 8 8  
31 32 33

## EXTERIOR DAMAGE

ED-2

## LEFT-SIDE BODY MOUNT

DID BODY MOUNT SEPARATE?

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

0  
 34

## LEFT PILLARS

PILLARS SEPARATED COMPLETELY -

USE CODES:

- (0) NO  
 (1) YES  
 (4) NO SEPARATION, BUT DAMAGED  
 (8) NOT APPLICABLE (NOT EQUIPPED)  
 (9) UNKNOWN

-A-PILLAR, UPPER

0  
 35

LOWER

0  
 36

-B-PILLAR, UPPER

0  
 37

LOWER

0  
 38

-C-PILLAR, UPPER

0  
 39

LOWER

0  
 40

-D-PILLAR, UPPER

0  
 41

LOWER

0  
 42

## LEFT DOORS

HOW DID DOORS  
OPEN DURING COLLISION?

USE CODES:

(0) DOOR DID NOT OPEN

OPENED BECAUSE OF

- (1) HINGE AREA SEPARATION  
 (2) DOOR-LATCH SEPARATION  
 (3) LATCH-STRIKER SEPARATION  
 (4) STRIKER-PILLAR SEPARATION  
 (5) BODY DISTORTION  
 (6) COMBINATION OF ABOVE  
 (CIRCLE EACH)  
 (7) OPENED, REASON UNKNOWN

(8) NOT APPLICABLE (NO DOOR)

(9) UNKNOWN

-FRONT

0  
 43

-REAR

0  
 44

DOORS JAMMED CLOSED-

USE CODES:

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE (NO DOOR)  
 (9) UNKNOWN

-FRONT

0  
 45

-REAR

0  
 46

## EXTERIOR DAMAGE

ED-3

## REAR DOOR

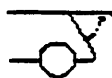
## REAR DOOR TYPE

- (0) NO DOOR (INCLUDES PICKUPS)  
 (1) HATCHBACK  
 (2) ONE-WAY TAILGATE  
 (3) TWO-WAY TAILGATE  
 (4) CLAMSHELL/DISAPPEARING TAILGATE  
 (5) SINGLE DOOR  
 (6) DOUBLE DOOR  
 (9) UNKNOWN

Hatchback



One-way



Two-way



or



Clamshell



Single door



Double door

HOW DID DOOR  
OPEN DURING COLLISION?

- (0) DOOR DID NOT OPEN  
 OPENED BECAUSE OF

- (1) HINGE AREA SEPARATION  
 (2) DOOR-LATCH SEPARATION  
 (3) LATCH-STRIKER SEPARATION  
 (4) STRIKER-PILLAR SEPARATION  
 (5) BODY DISTORTION  
 (6) COMBINATION OF ABOVE  
 (CIRCLE EACH)  
 (7) OPENED, REASON UNKNOWN  
 (8) NOT APPLICABLE (NO DOOR)  
 (9) UNKNOWN

## DOOR JAMMED CLOSED

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE (NO DOOR)  
 (9) UNKNOWN

## OTHER REAR DAMAGE

WAS PARTITION TO LUGGAGE AREA  
DAMAGED DURING COLLISION?

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

## SPARE TIRE

- (0) NO SPARE TIRE  
 (1) NOT ATTACHED BEFORE COLLISION  
 (2) ATTACHED, NOT SEPARATED IN COLLISION  
 (3) ATTACHED, SEPARATED DUE TO COLLISION  
 (8) NOT COLLECTED  
 (9) UNKNOWN

## TRAILER HITCH TYPE

- (0) NO HITCH

## BALL-AND-SOCKET TYPES

- (1) TEMPORARY FRAMEWORK (E.G. RENTAL CLAMP-ON)  
 (2) BUMPER-MOUNT ONLY (E.G. LIGHT TRUCK)  
 (3) BUMPER-AND-FRAME (BUT NON-EQUALIZING)  
 (4) LOAD EQUALIZING

## OTHER TYPES

- (5) RING-AND-PINTLE  
 (6) FIFTH-WHEEL (INCL. P/U)  
 (7) OTHER (E.G. CLEVIS-AND-PIN)

- (8) EQUIPPED, TYPE UNKNOWN  
 (9) UNKNOWN IF EQUIPPED

TRAILER TYPE  
(AT TIME OF COLLISION)

- (0) NO TRAILER  
 (1) TRAVEL-TRAILER/CAMPER  
 (2) MOBILE HOME  
 (3) BOAT/SNOWMOBILE/ATV TRAILER  
 (4) UTILITY TRAILER  
 (5) TOWED CAR  
 (7) OTHER: \_\_\_\_\_  
 (8) TRAILER, TYPE UNKNOWN  
 (9) UNKNOWN

## EXTERIOR DAMAGE

ED-4

## RIGHT-SIDE BODY MOUNT

DID BODY MOUNT SEPARATE?

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

0  
 54

## RIGHT PILLARS

PILLARS SEPARATED COMPLETELY -

USE CODES:

- (0) NO  
 (1) YES  
 (4) NO SEPARATION, BUT DAMAGED  
 (8) NOT APPLICABLE (NOT EQUIPPED)  
 (9) UNKNOWN

-A-PILLAR, UPPER

0  
 55

LOWER

0  
 56

-B-PILLAR, UPPER

0  
 57

LOWER

0  
 58

-C-PILLAR, UPPER

0  
 59

LOWER

0  
 60

-D-PILLAR, UPPER

0  
 61

LOWER

0  
 62

## RIGHT DOORS

HOW DID DOORS  
OPEN DURING COLLISION?

USE CODES:

(00) DOOR DID NOT OPEN

OPENED BECAUSE OF

- (01) HINGE AREA SEPARATION  
 (02) DOOR-LATCH SEPARATION  
 (03) LATCH-STRIKER SEPARATION  
 (04) STRIKER-PILLAR SEPARATION  
 (05) BODY DISTORTION  
 (06) COMBINATION OF ABOVE  
 (CIRCLE EACH)  
 (07) OPENED, REASON UNKNOWN  
 (11) VAN RIGHT-REAR DOOR OPENED  
 (ANY MECHANISM)

(98) NOT APPLICABLE (NO DOOR)

(99) UNKNOWN

-FRONT

0 0  
 63 64

-REAR

0 0  
 65 66

## DOORS JAMMED CLOSED-

USE CODES:

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE (NO DOOR)  
 (9) UNKNOWN

-FRONT

0  
 67

-REAR

0  
 68

## VAN REAR DOOR TYPE

- (0) VAN, NO REAR DOOR  
 (1) TRACK (SLIDING) - RIGHT SIDE  
 (2) SINGLE-HINGED - RIGHT SIDE  
 (3) DOUBLE-HINGED - RIGHT SIDE  
 (4) TRACK (SLIDING) - RIGHT & LEFT SIDE  
 (5) SINGLE-HINGED - RIGHT & LEFT SIDE  
 (6) DOUBLE-HINGED - RIGHT & LEFT SIDE  
 (7) TRACK AND HINGED COMBINATION  
 (8) NOT APPLICABLE (NOT A VAN)  
 (9) UNKNOWN

0  
 69

## EXTERIOR DAMAGE

ED-5

## WINDSHIELD DAMAGE

## WINDSHIELD CRACKED

- (0) NO  
(1) YES  
(8) NOT APPLICABLE  
(9) UNKNOWN

WINDSHIELD BROKEN  
(PLASTIC INTERLAYER TORN)

- (0) NO  
(1) YES  
(8) NOT APPLICABLE  
(9) UNKNOWN

CRACKED OR BROKEN  
BY OCCUPANT CONTACT

- (0) NO  
(1) YES  
(8) NOT APPLICABLE  
(9) UNKNOWN

## EXTENT OF BOND SEPARATION

- (0) NONE  
(1) 1 - 20%  
(2) 21 - 40  
(3) 41 - 60  
(4) 61 - 80  
(5) 81 - 99  
(6) TOTAL  
(7) SEPARATED, AMOUNT  
UNKNOWN  
(8) NOT APPLICABLE  
(9) UNKNOWN

## WINDSHIELD MARK ON CASE VEHICLE:



## WINDSHIELD CODE

- (97) DESCRIBED BUT NOT CODED  
(98) NOT APPLICABLE (NO WINDSHIELD)  
(99) UNKNOWN

97  
74 75

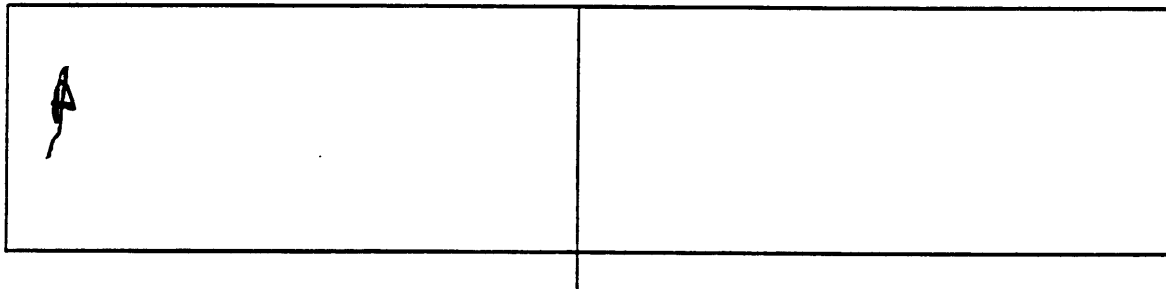
## ROOF

DID T-ROOF/SUN ROOF OPEN  
DURING COLLISION?

- (0) NO  
(1) YES  
(8) NOT APPLICABLE  
(NOT A T-ROOF OR SUN ROOF)  
(9) UNKNOWN

8  
76

LOCATE AREA OF WINDSHIELD INTEREST OR DAMAGE WITH DIMENSIONS (VERTICAL & HORIZONTAL) ON THIS DIAGRAM OF THE WINDSHIELD AS VIEWED FROM INSIDE.



L

C

R

Duplicate columns 1-8  
from the previous card.Module S C Format 0 1  
9 10 11 12

## STEERING WHEEL AND COLUMN SC-1

## STEERING WHEEL

## STEERING WHEEL RIM DAMAGE

- (0) NONE  
 (1) DEFORMED SLIGHTLY  
 (2) SEVERELY BENT  
 (3) BROKEN  
 (9) UNKNOWN

0  
13NUMBER OF  
STEERING WHEEL SPOKES

- (9) UNKNOWN

4  
14

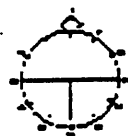
## STEERING WHL SPOKE DAMAGE

- (0) NONE  
 (1) DEFORMED SLIGHTLY  
 (2) SEVERELY BENT  
 (3) BROKEN  
 (9) UNKNOWN

0  
15STEERING WHEEL POSITION  
AT TIME OF COLLISION

IN WHAT O'CLOCK POSITION WAS THE  
 NORMAL TOP OF THE WHEEL POINTED  
 WHEN THE COLLISION OCCURRED?

## EXAMPLES

O'CLOCK = 12(NORMAL STRAIGHT  
AHEAD)O'CLOCK = 02O'CLOCK = 12

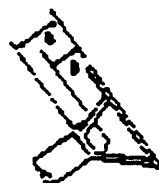
(99) UNKNOWN

STEERING WHEEL  
ENERGY ABSORBING DEVICE

## (1) EXAMPLES:



BARRACUDA, 70 - 74  
 CHALLENGER, 70 - 74  
 CAPRI, 71 - 77



## (2) EXAMPLES:

OMNI, 78 -  
 HORIZON, 78 -

## STEERING COLUMN OPTIONS

## TILT FEATURE

- (0) NOT EQUIPPED  
 (1) YES, EQUIPPED, UNK POSITION  
 (2) UP  
 (3) MIDDLE  
 (4) LOWER  
 (9) UNKNOWN IF EQUIPPED

3  
16

## SWING-AWAY FEATURE

- (0) NOT EQUIPPED  
 (1) YES, EQUIPPED  
 (9) UNKNOWN IF EQUIPPED

0  
17

## TELESCOPING FEATURE

- (0) NOT EQUIPPED  
 (1) YES, EQUIPPED  
 (9) UNKNOWN IF EQUIPPED

0  
18

## TYPE OF DEVICE

- (0) NONE  
 (1) CONVOLUTED OR MESH CYLINDER  
 (2) DEEP DISH STEERING WHEEL  
 (7) OTHER: \_\_\_\_\_  
 (8) NOT COLLECTED  
 (9) UNKNOWN IF EQUIPPED

8  
19

## ORIGINAL DIMENSION (mm)

A: \_\_\_\_\_

## DAMAGE DIMENSION (mm)

B: \_\_\_\_\_

## DIFFERENCE (mm)

A - B

- (888) NOT COLLECTED  
 (991) NOT MEASURED/NO APPARENT  
 COMPRESSION  
 (992) COMPRESSED, AMOUNT UNKNOWN  
 (993) DEVICE EXTENDED  
 (997) UNABLE TO MEASURE  
 (998) NOT APPLICABLE (NOT EQUIPPED)  
 (999) UNKNOWN

8 8 8  
20 21 22

## STEERING WHEEL AND COLUMN SC-2

STEERING COLUMN  
ENERGY ABSORBING DEVICE

TYPE OF DEVICE \* (IF 27 OR 28)

- (00) NOT EQUIPPED  
(88) NOT COLLECTED  
(99) UNKNOWN

$\frac{8}{23}$   $\frac{8}{24}$

ORIGINAL LENGTH (mm)

C: \_\_\_\_\_

COMPRESSED LENGTH (mm)

D: \_\_\_\_\_

BRACKET DEFLECTION (IF CODE 36, 48,  
OR 49 ABOVE)

OR

COMPRESSION (OR EXTRUSION) (mm)

C - D (OR E) (TOLERANCE:  $\pm 10$ )

- (888) NOT COLLECTED  
(991) NOT MEASURED/NO APPARENT  
COMPRESSION  
(992) COMPRESSED, AMOUNT UNKNOWN  
(993) DEVICE EXTENDED  
(997) UNABLE TO BE MEASURED  
(998) NOT APPLICABLE (NOT EQUIPPED)  
(999) UNKNOWN

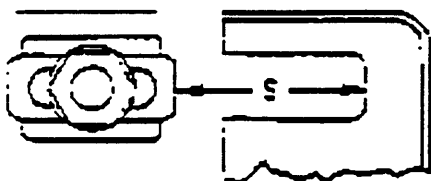
$\frac{8}{25}$   $\frac{8}{26}$   $\frac{8}{27}$

\* (ADD A &amp; B FOR TOTAL COMPRESSION)

SHEAR CAPSULE SEPARATION (mm)

S (USE AVG. OF LEFT &amp; RIGHT CAPSULES.)

LT:



RT:

- (888) NOT COLLECTED  
(991) NOT MEASURED/NO APPARENT  
SEPARATION  
(992) SEPARATED, AMOUNT UNKNOWN  
(997) UNABLE TO BE MEASURED  
(998) NOT APPLICABLE (NOT EQUIPPED)  
(999) UNKNOWN

$\frac{8}{28}$   $\frac{8}{29}$   $\frac{8}{30}$

COLUMN VERTICAL ROTATION

- (0) NO APPARENT ROTATION  
(1) UPWARD APPARENT ROTATION  
(2) DOWNWARD APPARENT ROTATION  
(9) UNKNOWN

$\frac{1}{31}$

COLUMN LATERAL ROTATION

- (0) NO APPARENT ROTATION  
(1) LEFT APPARENT ROTATION  
(2) RIGHT APPARENT ROTATION  
(9) UNKNOWN

$\frac{1}{32}$

## STEERING WHEEL (CONTINUED)

STEERING WHEEL HUB DAMAGE

- (0) NONE  
(1) OCCUPANT CONTACT  
(2) AIRBAG  
(3) OTHER \_\_\_\_\_  
(9) UNKNOWN

$\frac{0}{33}$

INTRUSION IT-1

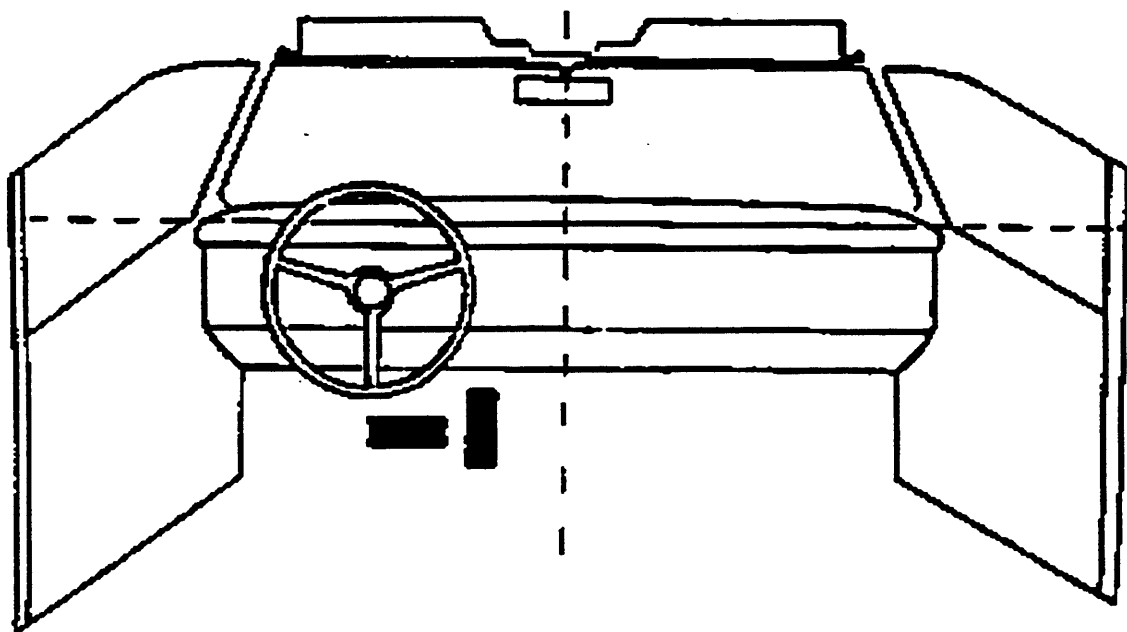
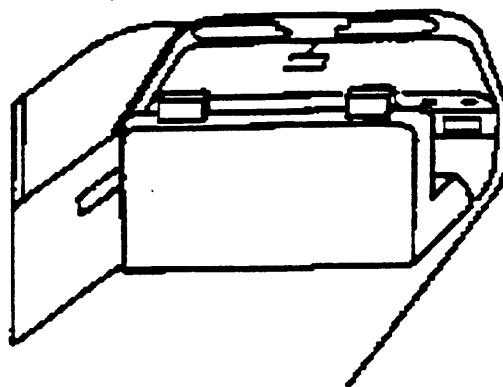
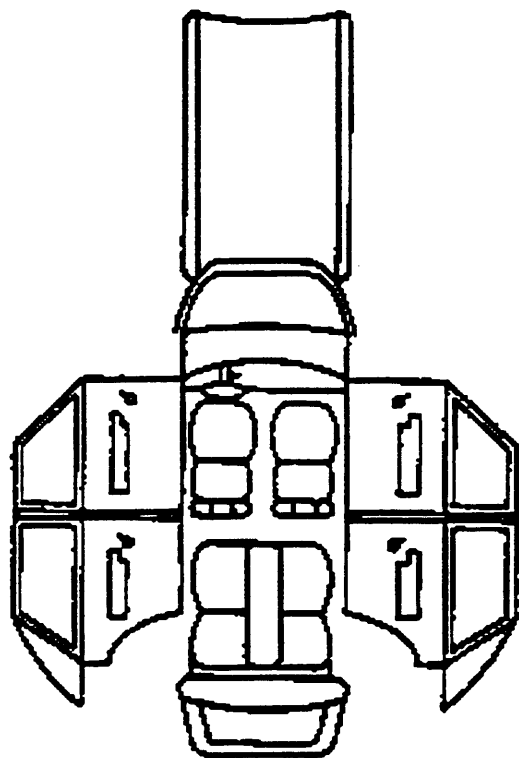
[illegible]

## OCCUPANT CONTACT WORKSHEET

Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A					
B					
C					
D					
E					
F					
G					
H					
I					
J					

## INTRUSION IT-2

VEHICLE OCCUPANT CONTACT DIAGRAM



**INTRUSION IT-3****CODES FOR COLUMN B, OCCUPANT SPACE NUMBER**

OCCUPANT SPACE NUMBER IS A TWO-DIGIT CODE. THE USE OF THE CODE IS DETERMINED BY THE VEHICLE SEAT CONFIGURATION AT THE TIME OF THE ACCIDENT.

**FIRST DIGIT**

THE FIRST DIGIT (LEFT DIGIT) DENOTES THE SEAT ROW, WITH CODE VALUES FROM 1 TO 5.

**SECOND DIGIT**

THE SECOND DIGIT (RIGHT DIGIT) DENOTES THE POSITION ON THE SEAT AND, IN SOME INSTANCES, THE WIDTH OF THE SEAT.

- |                          |                 |                         |   |
|--------------------------|-----------------|-------------------------|---|
| (1) LEFT                 | (3) RIGHT       | .....                   | INDIVIDUAL SEAT                               |
| (1) LEFT                 | (2) CENTER      | (3) RIGHT               | ..... BENCH: FULL WIDTH 3 PASSENGER           |
| (1) LEFT                 | (2) LEFT CENTER | (6) RIGHT CENTER        | (3) RIGHT ..... BENCH: FULL WIDTH 4 PASSENGER |
| (1) LEFT                 | (2) CENTER      | (5) RIGHT & AISLE SPACE | ..... BENCH: PARTIAL WIDTH, LEFT              |
| (0) LEFT & SPACE         | (2) CENTER      | (5) RIGHT & SPACE       | ..... BENCH: PARTIAL WIDTH, CENTERED          |
| (4) ENTIRE VEHICLE WIDTH | .....           |                         | CARGO AREA                                    |

**EXAMPLES**

THE TWO FIGURES BELOW PROVIDE EXAMPLES OF THE OCCUPANT SPACE NUMBER.

**PASSENGER CAR**  
5 PASSENGERS

X	X	11	13
X	X	X	21 22 23

**VAN**  
12 PASSENGER CAPACITY

X	X	11	13
X	X	X	21 22 25
X	X	X	31 32 35
X	X	X	X 41 42 46 43

**CODES FOR COLUMN F, MEASUREMENT AXIS**

- (X) X-AXIS (FORE & AFT)  
(Y) Y-AXIS (LATERAL)  
(Z) Z-AXIS (VERTICAL)

**CODES FOR COLUMNS G, H, I & J, OCCUPANT & INJURY NUMBERS**

OCCUPANT NUMBER	INJURY NUMBER	CONTACT
(00)	(00)	NO CONTACT
(##)	(00)	CONTACT, NO INJURY
(97)	(99)	CONTACT, OCCUPANT UNKNOWN, INJURY UNKNOWN
(99)	(00) OR (99)	UNKNOWN IF CONTACT

## INTRUSION IT-4

## CODES FOR COLUMN C, INTRUDING COMPONENT OR OBJECT

NOTE: DO NOT CODE OBJECTS OTHER THAN COMPONENTS OF CASE VEHICLE.

## INDIVIDUAL COMPONENT

## INTERNAL

- (01) INSTRUMENT PANEL
- (02) FIRE WALL
- (03) TOE PAN
- (04) FLOOR PAN
- (05) STEERING COLUMN
- (06) WINDSHIELD
- (07) WINDSHIELD HEADER
- (08) A-PILLAR
- (09) DOOR PANEL OR SIDE PANEL
- (10) WINDOW FRAME
- (11) B-PILLAR
- (12) C-PILLAR
- (13) D-PILLAR
- (14) ROOF SIDE RAILS
- (15) ROOF OR CONVERTIBLE TOP
- (16) BACKLIGHT HEADER
- (17) FRONT SEAT-BACK SURFACE/  
SEAT-BACK BACK SURFACE
- (18) SECOND SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (19) THIRD SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (20) FOURTH SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (21) FIFTH SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (22) BACK PANEL/BACK DOOR SURFACE
- (23) SEAT CUSHION SURFACE/EDGE
- (24) CONSOLE
- (25) OTHER (DESCRIBE)
- (26) UNKNOWN INTERNAL SURFACES
- (28) TRANSMISSION TUNNEL (HUMP)
- (29) SIDE FOOTWELL PANEL (KICKPANEL)
- (30) SILL

## EXTERNAL

- (43) HOOD
- (44) OBJECT EXTERNAL TO PASSENGER  
COMPARTMENT BUT PART  
OF CASE VEHICLE
- (45) OUTSIDE SURFACE OF CASE VEHICLE
- (46) OTHER (E.G. SPARE TIRE,  
JACK. DESCRIBE.)
- (49) UNKNOWN EXTERNAL OBJECT

## GROUPED FOR MASSIVE INTRUSION INTO AN OCCUPANT SPACE

USE ONLY IF ALL THESE COMPONENTS  
INTRUDED INTO A SINGLE OCCUPANT SPACE.

- |                        |                         |
|------------------------|-------------------------|
| (50) WINDSHIELD HEADER | (60) ROOF               |
| A-PILLAR               | ROOF RAIL               |
| ROOF SIDE RAIL         | A-PILLAR                |
|                        | B-PILLAR                |
| (51) INSTRUMENT PANEL  | C-PILLAR                |
| A-PILLAR               | WINDOW FRAME            |
| DOOR PANEL             | DOOR PANEL              |
|                        | FLOOR PAN               |
| (52) INSTRUMENT PANEL  | (61) INSTRUMENT PANEL   |
| A-PILLAR               | TOE PAN                 |
| WINDSHIELD HEADER      | WINDSHIELD HEADER       |
|                        | A-PILLAR                |
| (53) DOOR PANEL        | ROOF RAIL               |
| B-PILLAR               | WINDOW FRAME            |
| ROOF RAIL              | DOOR PANEL              |
|                        | ROOF                    |
| (54) DOOR PANEL        | (62) ROOF               |
| A-PILLAR               | ROOF RAIL               |
| ROOF RAIL              | C-PILLAR                |
|                        | WINDOW FRAME            |
| (55) INSTRUMENT PANEL  | FLOOR PAN               |
| FLOOR PAN              | SECOND SEAT             |
| A-PILLAR               | DOOR PANEL              |
| DOOR FRAME             |                         |
| (56) ROOF RAIL         | (63) ROOF RAIL          |
| A-PILLAR               | ROOF                    |
| B-PILLAR               | B-PILLAR                |
| WINDOW FRAME           | WINDOW FRAME            |
|                        | FLOOR PAN               |
| (57) ROOF RAIL         | DOOR PANEL              |
| A-PILLAR               | SECOND SEAT             |
| B-PILLAR               | FRONT SEAT              |
| C-PILLAR               |                         |
| DOOR PANEL             | (64) ROOF RAIL          |
|                        | ROOF OR CONVERTIBLE TOP |
| (58) ROOF              | A-PILLAR                |
| ROOF RAIL              | B-PILLAR                |
| WINDOW FRAME           | WINDOW FRAME            |
| DOOR PANEL             | WINDOW HEADER           |
| (59) BACKLIGHT HEADER  | (65) WINDSHIELD         |
| ROOF                   | WINDSHIELD HEADER       |
| C-PILLAR               | ROOF SIDE RAIL          |
| THIRD SEAT-BACK        |                         |
|                        | (66) WINDSHIELD         |
|                        | WINDSHIELD HEADER       |
|                        | A-PILLAR                |
|                        |                         |
|                        | (98) NOT APPLICABLE     |
|                        | (99) UNKNOWN            |

Duplicate columns 1-8  
from the previous card.Module 1 1 Format 0 1  
9 10 11 12

INTRUSION IT-5

WAS THERE OCCUPANT COMPARTMENT INTRUSION? 0  
13

- (0) NO DO NOT ANSWER NEXT QUESTION. SKIP PAGE.  
 (1) YES ANSWER NEXT QUESTION.  
 (9) UNKNOWN SKIP PAGE.

WAS INTRUSION CATASTROPHIC?       
14

- (0) NO COMPLETE PAGE.  
 (1) YES SKIP PAGE.

Duplicate columns 1-8  
from the previous card.Module 1 1 Format 0 2  
9 10 11 12

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

**INTRUSIONS CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.**  
**CODES FOR B, F, G, H, I, J ON PAGE IT-3**  
**CODES FOR C ON PAGE IT-4**

**OCCUPANT CONTACT AND INJURY**

A	B	C	D	E	F	G	H	I	J	K
INTRUSION NUMBER	OCC. SPACE NO.	INTRUDING COMPONENT OR OBJECT	ASSOC. EVENT NO.	MAXIMUM INTRUSION X AXIS (cm)	MAXIMUM INTRUSION Y AXIS (cm)	MAXIMUM INTRUSION Z AXIS (cm)	OCCUPANT NUMBER	INJURY NUMBER	OCCUPANT NUMBER	INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
<u>0 1</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0 2</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0 3</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0 4</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0 5</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0 6</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0 7</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —

NOTE: USE ADDITIONAL PAGE IF MORE THAN 7 INTRUSIONS.

Duplicate columns 1-8  
from the previous card.Module 1 1 Format 0 3  
9 10 11 12NOTE: IF NO SIDE DOOR INTRUSION,  
SKIP REMAINDER OF PAGE.SIDE DOOR INTRUSION  
RESULTED FROM

INTRUSION NUMBER	CAUSE	CODES FOR CAUSE:
13	15	(1) DIRECT IMPACT
16	18	(2) INDUCED DAMAGE
19	21	(9) UNKNOWN

IF DAMAGE TO DOOR COMPONENT RESULTED IN INCREASED  
DOOR INTRUSION, CODE COMPONENT

INTRUSION NUMBER	DAMAGED COMPONENT 1	DAMAGED COMPONENT 2	CODES FOR COMPONENTS
A 22 23	—	25	(0) NONE
B 26 27	—	29	(1) A-PILLAR
C 30 31	—	33	(2) B-PILLAR
D 34 35	—	37	(3) C-PILLAR
			(4) LATCH/STRIKER
			(5) HINGES
			(7) OTHER: —
			(8) NOT APPLICABLE
			(9) UNKNOWN

Duplicate columns 1-8  
from the previous card.

Module 1 1 Format 0 2  
9 10 11 12

INTRUSION IT-6

NOTE: Each line in the table below is a separate record (card).  
Duplicate columns 1 - 12 for each completed line.

- ADDITIONAL PAGE -

**INTRUSIONS** CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.  
CODES FOR B, F, G, H, I, J ON PAGE IT-3  
CODES FOR C ON PAGE IT-4

OCCUPANT CONTACT AND INJURY

A	B	C	D	E	F	G	H	I	J	K
INTRUSION NUMBER	OCC. SPACE NO.	INTRUDING COMPONENT OR OBJECT	ASSOC. EVENT NO.	MAXIMUM INTRUSION X AXIS (cm)	MAXIMUM INTRUSION Y AXIS (cm)	MAXIMUM INTRUSION Z AXIS (cm)	OCCUPANT NUMBER	INJURY NUMBER	OCCUPANT NUMBER	INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
0 8	---	---	---	---	---	---	---	---	---	---
0 9	---	---	---	---	---	---	---	---	---	---
1 0	---	---	---	---	---	---	---	---	---	---
1 1	---	---	---	---	---	---	---	---	---	---
1 2	---	---	---	---	---	---	---	---	---	---
1 3	---	---	---	---	---	---	---	---	---	---
1 4	---	---	---	---	---	---	---	---	---	---
1 5	---	---	---	---	---	---	---	---	---	---
1 6	---	---	---	---	---	---	---	---	---	---
1 7	---	---	---	---	---	---	---	---	---	---
1 8	---	---	---	---	---	---	---	---	---	---
1 9	---	---	---	---	---	---	---	---	---	---
2 0	---	---	---	---	---	---	---	---	---	---
2 1	---	---	---	---	---	---	---	---	---	---
2 2	---	---	---	---	---	---	---	---	---	---
2 3	---	---	---	---	---	---	---	---	---	---
2 4	---	---	---	---	---	---	---	---	---	---
2 5	---	---	---	---	---	---	---	---	---	---

(4) YES, and OCCUPANT CONTACT  
(8) NOT APPLICABLE  
(9) UNKNOWN

	LEFT	RIGHT			
<b>SIDES</b>			<b>FRONT</b>		<b>INSTRUMENT PANEL</b>
FRONT DOOR	3 13	0 14	FOOT CONTROLS	0 45	UPPER PANEL
FRONT HARDWARE	1 15	0 16	IGNITION KEYS	0 46	MID PANEL
FRONT ARMREST	0 17	0 18	REAR VIEW MIRROR	0 47	LOWER PANEL
FRONT GLASS	0 19	0 20	SUNVISOR/FITTINGS	0 48	ASHTRAY
REAR DOOR AREA	0 21	0 22	(5) LEFT SIDE ONLY (6) RIGHT SIDE ONLY (7) BOTH SIDES		CONTROL KNOBS & LEVERS
REAR HARDWARE	0 23	0 24	WINDSHIELD TOP MOLDINGS	0 49	GLOVE COMPARTMENT AREA
REAR ARMREST	0 25	0 26	LEFT A-PILLAR (UPPER OR LOWER)	0 50	INSTRUMENTS
REAR GLASS	0 27	0 28	RIGHT A-PILLAR (UPPER OR LOWER)	0 51	PARKING BRAKE RELEASE
ROOF SIDE RAIL	0 29	0 30	CENTER CONSOLE	0 52	PARKING BRAKE PEDAL
B-PILLAR	0 31	0 32	TRANSMISSION SELECTOR LEVER	0 53	A/C OR UPPER VENT OUTLETS
C-PILLAR	0 33	0 34	RIM, HORN, SPOKE	0 54	HEATER OR A/C DUCTS
D-PILLAR	0 35	0 36			RADIO
HEADLINING	0 37	0 38			OTHER: * _____
ROOF STRUCTURE	0 39	0 40			
T-ROOF/SUN ROOF	8 41	8 42			
OTHER: * _____	8 43	8 44			
					<b>REAR</b>
					WINDOW
					WINDOW HEADER
					<b>CONSOLES</b>
					VERTICAL
					ROOF

Duplicate columns 1-8 from the previous card.		Module <u>S</u> <u>T</u> Format <u>0</u> <u>2</u> 9 10 11 12		SEATS		ST-1	
<b>FRONT SEAT</b>		<b>DRIVER PASSENGER</b>		<b>FRONT SEAT-BACK</b>		<b>DRIVER PASSENGER</b>	
<b>TYPE OF FRONT SEAT</b> (00) NO SEAT (01) STANDARD BENCH (02) SPLIT BACK, 50-50 (03) SPLIT BACK, DRIVER WIDE (04) SPLIT BACK, PASS. WIDE (05) BUCKET (06) CAPTAIN'S CHAIR (07) INDIV. BENCH, 50-50 (08) INDIV. BENCH, DRIVER WIDE (09) INDIV. BENCH, PASS. WIDE (97) OTHER: _____ (99) UNKNOWN		DRIVER: <u>05</u> 13 14 PASSENGER: <u>05</u> 15 16		<b>SEAT-BACK TYPE</b> (1) FORWARD FOLDING (2) RIGID (3) RECLINING (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		DRIVER: <u>3</u> 30 PASSENGER: <u>3</u> 31	
<b>TYPE OF SEAT MOUNT</b> (1) STANDARD (2) PEDESTAL (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		DRIVER: <u>1</u> 17 PASSENGER: <u>1</u> 18		<b>SEAT-BACK LOCK TYPE</b> (0) NONE (1) MANUAL (2) INERTIA (3) POWER (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		DRIVER: <u>1</u> 32 PASSENGER: <u>1</u> 33	
<b>SWIVEL MECHANISM EQUIPPED</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		DRIVER: <u>0</u> 19 PASSENGER: <u>0</u> 20		<b>LOCKS HELD</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		DRIVER: <u>1</u> 34 PASSENGER: <u>1</u> 35	
<b>ORIGINAL EQUIPMENT SEATS</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		DRIVER: <u>1</u> 21 PASSENGER: <u>1</u> 22		<b>RECLINER MECHANISM HELD</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		DRIVER: <u>1</u> 36 PASSENGER: <u>1</u> 37	
<b>CONTACT OF SEAT BY REAR OCCUPANT</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		DRIVER: <u>0</u> 23 PASSENGER: <u>0</u> 24					
<b>FRONT SEAT DAMAGE</b> (0) NONE (1) BACKREST ONLY DAMAGED (2) CUSHION ONLY DAMAGED (3) BACKREST & CUSHION DAMAGED (8) NOT APPLICABLE (9) UNKNOWN		DRIVER: <u>0</u> 25 PASSENGER: <u>0</u> 26		<b>HEAD RESTRAINT</b> <b>HEAD RESTRAINT TYPE</b> (0) NONE (1) ADJUSTABLE (2) INTEGRAL (3) NOT INTEGRAL, BUT CANNOT BE REMOVED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		DRIVER: <u>2</u> 38 PASSENGER: <u>2</u> 39	
<b>CENTER ARMREST DAMAGED</b> (0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (NO CENTER ARMREST) (9) UNKNOWN IF EQUIPPED		DRIVER: <u>0</u> 27		<b>REMOVED PRE-CRASH</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		DRIVER: <u>8</u> 40 PASSENGER: <u>8</u> 41	
<b>FRONT SEAT ROTATION</b> (0) NONE APPARENT (1) FORWARD APPARENT (2) REARWARD APPARENT (3) LEFT APPARENT (4) RIGHT APPARENT (5) MULTIPLE ROTATIONS SPECIFY _____ (8) NOT APPLICABLE (9) UNKNOWN		DRIVER: <u>0</u> 28 PASSENGER: <u>0</u> 29		<b>ADJUSTMENT AT CRASH</b> (1) UP (2) DOWN (8) NOT APPLICABLE (9) UNKNOWN		DRIVER: <u>8</u> 42 PASSENGER: <u>8</u> 43	
				<b>HEAD RESTRAINT DAMAGE</b> (0) NONE (1) DAMAGED BUT NOT SEPARATED (2) SEPARATED (8) NOT APPLICABLE (9) UNKNOWN		DRIVER: <u>0</u> 44 PASSENGER: <u>0</u> 45	

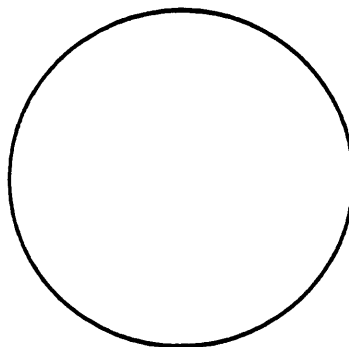
## SEATS ST-2

FRONT SEAT ADJUSTMENT		DRIVER	PASSENGER	SECOND SEAT (CONT.)	
SEAT ADJUSTMENT TYPE				CENTER ARMREST DAMAGED	
(0) NONE (RIGID) (1) MANUAL (2) POWER (7) OTHER: _____ (8) NOT APPLICABLE (NO SEAT) (9) UNKNOWN		<u>2</u> 46	<u>1</u> 47	<u>0</u> 60	
ADJUSTMENT PROVIDED					
(1) 2-WAY (2) 4-WAY (3) 6-WAY (7) OTHER: <u>8-WAY</u> (8) NOT APPLICABLE (9) UNKNOWN		<u>7</u> 48	<u>1</u> 49		
SEAT ADJUSTER DAMAGE				SECOND SEAT-BACK	
(0) NONE (1) CHUCKING (FREE PLAY) (2) DEFORMED (RELEASED/JAMMED) (3) SEPARATED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 50	<u>0</u> 51	LEFT RIGHT LOCKS	
SEAT ADJUSTER SEPARATION				FOR THE FOLLOWING, USE:	
(0) NONE (1) SEPARATED AT FLOOR (2) SEPARATION OF ADJUSTER (3) SEPARATED AT SEAT (8) NOT APPLICABLE (9) UNKNOWN		<u>8</u> 52	<u>8</u> 53	(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	
PRE-CRASH POSITION				LEFT OR CENTER, EQUIPPED	
(1) FORWARD (2) MIDDLE (3) REARWARD (8) NOT APPLICABLE (9) UNKNOWN		<u>3</u> 54	<u>2</u> 55	<u>1</u> 61	
				<u>0</u> 62	
				<u>1</u> 63	
				<u>8</u> 64	
				(3) SEAT FOLDED DOWN	
				RIGHT, EQUIPPED	
				<u>0</u> 65	
				<u>1</u> 66	
				RIGHT, HELD	
				<u>8</u> 67	
				<u>1</u> 68	
				(3) SEAT FOLDED DOWN	
SECOND SEAT		LEFT	RIGHT	THIRD SEAT	
TYPE OF SECOND SEAT				EQUIPPED	
(0) NONE (1) NON-FOLDING (2) FOLDING (3) CAPTAIN'S CHAIR (4) JUMP SEAT (5) INTEGRAL CHILD SEAT (6) LUGGAGE AREA ACCESS PANEL (9) UNKNOWN		<u>2</u> 56	<u>2</u> 57	<u>1</u> 69	
				<u>0</u> 70	
				<u>0</u> 71	
				<u>0</u> 72	
				<u>0</u> 73	
				<u>0</u> 74	
SECOND SEAT DAMAGE				VEHICLE EQUIPPED WITH REAR HEAD RESTRAINTS	
(0) NONE (1) BACKREST ONLY (DAMAGED OR LOOSENED) (2) CUSHION ONLY (DAMAGED OR LOOSENED) (3) BACKREST & CUSHION (DAMAGED OR LOOSENED) (4) INTEGRAL CHILD SEAT (PRIORITY CODE) (5) LUGGAGE AREA ACCESS PANEL (DAMAGED OR LOOSENED) (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 58	<u>0</u> 59	(0) NOT EQUIPPED (OR REMOVED) (1) EQUIPPED (2) EQUIPPED & DAMAGED (8) NOT APPLICABLE (NO REAR SEAT) (9) UNKNOWN	
				<u>1</u> 75	
				Applies to any rear-seat position	



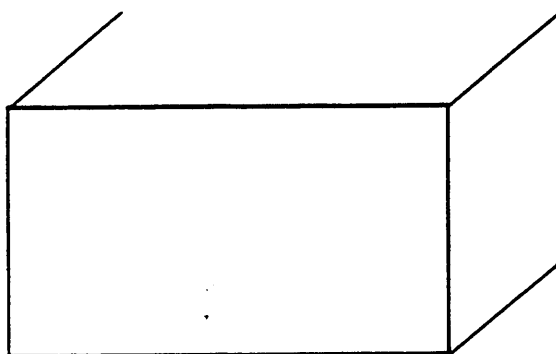
AIRBAG AB-2

AIRBAG NUMBER ON DRIVER SIDE:

NOTE AND DESCRIBE ANY AIRBAG CONTACT OR  
DAMAGE ON DIAGRAM BELOW:AB 64 W  
52 TNO VENTS  
1 FLAP  
10 1/2 T  
15 W

AIRBAG NUMBER ON PASSENGER SIDE:

BOTTOM NUMBER WIPED OUT

NOTE AND DESCRIBE ANY AIRBAG CONTACT OR  
DAMAGE ON DIAGRAM BELOW:NO VENTS  
FLAP 33 W  
23 T  
AB  
52 W  
49 T

NOTE TO THE INVESTIGATOR:

THE FOLLOWING TWO SECTIONS,  
OCCUPANT INFORMATION AND INJURY CLASSIFICATION,  
ARE TO BE FILLED IN  
FOR EACH CASE VEHICLE OCCUPANT,  
WHETHER INJURED OR NOT.

IF THERE IS MORE THAN ONE OCCUPANT,  
USE ADDITIONAL COPIES  
OF PAGES OC-1, OC-2, OC-3,  
AND IC-2 TO DESCRIBE THEM  
AND ATTACH THE COPIES TO THIS REPORT.

TEAM REPORT NUMBER: UM - 3724 - 98Duplicate columns 1-8  
from the previous card.Module 0 C Format 0 2  
9 10 11 12

## OCCUPANT INFORMATION OC-1

## OCCUPANT IDENTIFICATION

OCCUPANT NUMBER

01  
13 14

ROLE OF OCCUPANT AT 1ST IMPACT

- (1) MOTOR VEHICLE DRIVER  
(2) MOTOR VEHICLE PASSENGER  
(NOT DRIVER)  
(9) UNKNOWN

1  
15

## OCCUPANT POSITION

ROW LOCATION

- (1) FRONT  
(2) SECOND  
(3) THIRD  
(4) FOURTH  
(7) OTHER: \_\_\_\_\_  
(8) EXTERNAL TO PASSENGER  
COMPARTMENT (E.G. BED OF PICKUP)  
(9) UNKNOWN

1  
16

LATERAL LOCATION

- (1) LEFT  
(2) LEFT CENTER  
(3) CENTER  
(4) RIGHT CENTER  
(5) RIGHT  
(6) ALL (LYING ON SEAT)  
(8) EXTERNAL TO PASSENGER  
COMPARTMENT  
(9) UNKNOWN

1  
17

POSTURE

- (10) SITTING ON SEAT  
(11) SITTING ON SEAT IN ABNORMAL  
POSITION (E.G. FEET ON DASH,  
SIDEWAYS)  
(12) SITTING ON CONSOLE  
(20) ON LAP OR IN ARMS  
(30) STANDING ON SEAT  
(40) STANDING ON FLOOR  
(47) STANDING, EXTERNAL TO  
PASSENGER COMPARTMENT  
(50) IN BASSINET  
(60) IN CHILD SEAT  
(65) IN CHILD HARNESS  
(70) LYING ON SEAT  
(80) LYING/SITTING ON PASSENGER  
FLOOR  
(83) LYING/SITTING ON OTHER  
OBJECT IN PASSENGER  
COMPARTMENT: \_\_\_\_\_  
(85) ON CARGO FLOOR/FOLDED  
SEAT-BACK  
(87) LYING/SITTING, EXTERNAL TO  
PASSENGER COMPARTMENT  
(97) OTHER: \_\_\_\_\_  
(99) UNKNOWN

10  
18 19

## PHYSICAL DESCRIPTION

AGE IN YEARS

- (00) LESS THAN 1 YEAR  
(98) 98 YEARS OR OLDER  
(99) UNKNOWN

26  
20 21

AGE IN MONTHS

- (00) LESS THAN 1 MONTH  
(25) 25 MONTHS OR OLDER  
(99) UNKNOWN

25  
22 23

MASS (kg)

(999) UNKNOWN

(185 lb)084  
24 25 26

HEIGHT (cm)

(999) UNKNOWN

(6 ft 0 in)183  
27 28 29

SEX

- (1) MALE  
(2) FEMALE  
(9) UNKNOWN

1  
30

## MEDICAL CONDITIONS

TREATMENT/MORTALITY

- (00) NONE  
(01) FIRST AID AT SCENE  
(02) TREATED AT HOSPITAL/CLINIC  
BUT NOT ADMITTED  
(03) HOSPITALIZED FOR OBSERVATION  
LESS THAN 24 HOURS  
(04) HOSPITALIZED OVER 24 HOURS  
OR FOR SIGNIFICANT TREATMENT  
(05) FATAL, DEAD AT SCENE  
(06) FATAL, DOA  
(07) FATAL, DEAD WITHIN 24 HOURS  
(08) FATAL, DEAD 24 HOURS TO  
31 DAYS LATER  
(09) FATAL, DEAD 31 DAYS TO  
1 YEAR LATER  
(10) FATAL DEAD WITHIN UNKNOWN  
PERIOD  
(99) UNKNOWN

03  
31 32

INJURY SEVERITY SCORE (ISS)

(99) UNKNOWN

05  
33 34

NON-IMPACT MED. CONDITIONS

- (0) NONE  
(1) YES, TIME & TYPE UNKNOWN  
(2) PRE-CRASH FATAL (CLINICAL  
DEATH AT WHEEL)  
(3) PRE-CRASH NON-FATAL (E.G.  
PRIOR INJURY, STROKE)  
(4) PREGNANT  
(5) POST-CRASH FATAL (DROWNING)  
(6) POST-CRASH NON-FATAL INJURY  
(7) OTHER: \_\_\_\_\_  
(8) COMBINATION OF ABOVE  
(CIRCLE EACH)  
(9) UNKNOWN

0  
35

46

## OCCUPANT INFORMATION OC-3

## OCCUPANT EYEWEAR

- (0) NONE
- (1) GLASSES
- (2) CONTACTS
- (3) BOTH GLASSES AND CONTACTS
- (4) OTHER \_\_\_\_\_
- (8) NOT APPLICABLE
- (9) UNKNOWN

0  
47

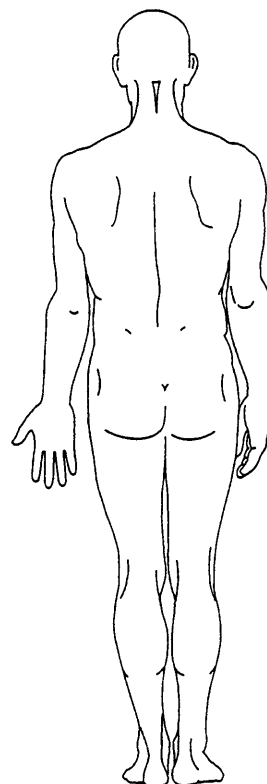
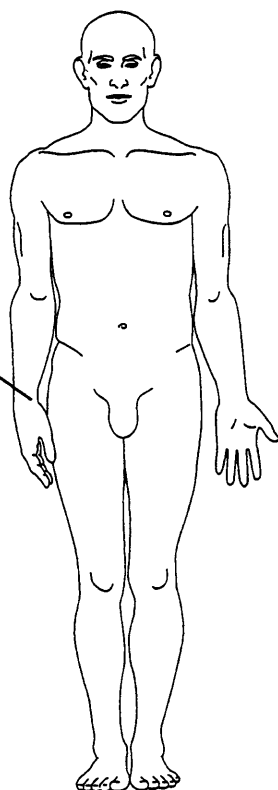
## SOURCE OF INFORMATION

- (0) INTERVIEW
- (1) HOSPITAL
- (2) AUTOPSY
- (3) POLICE
- (4) OTHER \_\_\_\_\_
- (5) LAY CORONER/EXTERNAL EXAM
- (7) COMBINATION OF ABOVE (CIRCLE)
- (8) NOT APPLICABLE
- (9) UNKNOWN

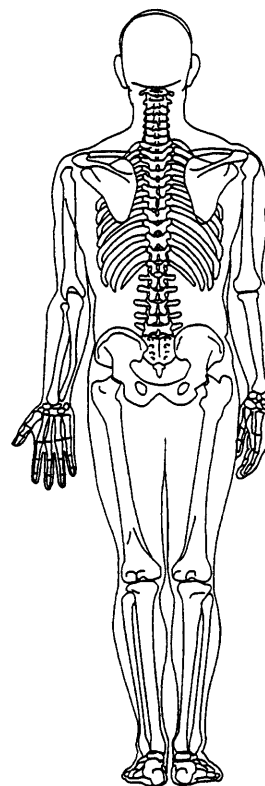
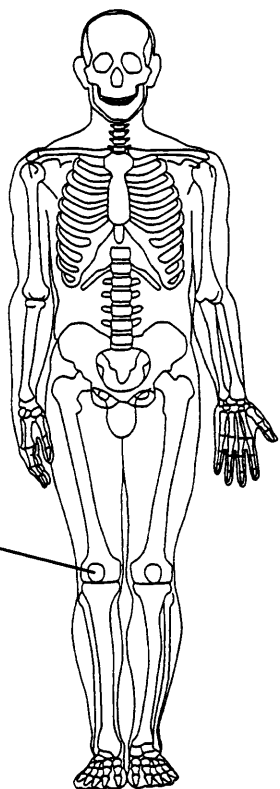
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48

## OCCUPANT INFORMATION OC-4

**Abrasion  
and  
contusion,  
palmar  
right wrist  
(1)**



**Fracture,  
right  
patella (2)**



## INJURY CLASSIFICATION IC-1

**NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.**

## OCCUPANT INJURY CLASSIFICATION

[illegible]

**NOTE: USE ADDITIONAL PAGES IF NECESSARY.**

## INJURY CLASSIFICATION IC-2

## CODES FOR AREAS OF POSSIBLE OCCUPANT CONTACT

## FRONT OF PASSENGER COMPARTMENT

- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (12) WINDSHIELD
- (05) INSTRUMENT PANEL (*SPECIFIC AREA UNKNOWN*)
- (54) UPPER INSTRUMENT PANEL (*X*)
- (55) MIDDLE INSTRUMENT PANEL (*Y*)
- (56) LOWER INSTRUMENT PANEL (*Z*)
- (81) ASH TRAY (*INSTRUMENT PANEL*)
- (02) GLOVE COMPARTMENT AREA
- (47) AIRBAG (*ACRS*) COMPARTMENT DOOR/COVER
- (57) BENEATH INSTRUMENT PANEL
- (53) PARCEL TRAY
- (48) KNEE RESTRAINT
- (86) VERTICAL CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (09) STEERING ASSEMBLY (*SPECIFIC AREA UNKNOWN*)
- (65) STEERING WHEEL
- (66) STEERING WHEEL COLUMN
- (59) TRANSMISSION LEVER ON COLUMN
- (03) HARDWARE ITEM (*SPECIFIC AREA UNKNOWN*)
- (82) INSTRUMENT(S)
- (83) CONTROL KNOB(S) & LEVER(S) (*FRONT*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (67) IGNITION KEY
- (06) MIRROR
- (04) HEATER OR AIR CONDITIONING DUCTS
- (01) AIR CONDITIONING OR VENTILATION OUTLET(S)
- (08) RADIO (*BUILT IN*)
- (58) ADD-ON TAPE DECK, RADIO, A/C
- (68) ROOF MOUNTED CONTROLS/CONSOLES

## REAR

- (88) SURFACE OF REAR INTERIOR
- (23) REAR WINDOW
- (39) REAR WINDOW HEADER
- (50) REAR SEAT CUSHION & BACK

## INTERIOR-GENERAL

- (11) TRANSMISSION SELECTION LEVER (*LOCATION UNK.*)
- (59) TRANSMISSION LEVER ON STEERING COLUMN
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (07) PARKING BRAKE HANDLE (*LOCATION UNKNOWN*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (29) FRONT SEAT-BACK(S)
- (51) FRONT SEAT CUSHION
- (50) REAR SEAT CUSHION & BACK
- (49) ARMREST ON SEAT
- (89) UNDER SEAT BOTTOM
- (33) RESTRAINT SYSTEM HARDWARE
- (34) RESTRAINT SYSTEM WEBBING
- (87) AIR CUSHION SKIN (*AIRBAG*)
- (47) AIRBAG (*ACRS*) COMPARTMENT DOOR/COVER
- (46) AIRBAG GAS
- (48) KNEE RESTRAINT
- (30) HEAD RESTRAINT
- (42) CHILD SEAT RESTRAINTS
- (43) CHILD SEAT
- (31) INTERIOR LOOSE OBJECT
- (32) OTHER OCCUPANT(S)
- (52) INTERNAL FLYING GLASS (*FROM ANY SOURCE*)
- (41) UNKNOWN INTERIOR SURFACE

## SIDES

- (20) SURFACE OF SIDE INTERIOR
- (19) HARDWARE ON SIDE OR DOOR
- (13) ARMREST ON SIDE OR DOOR
- (24) COAT HOOK
- (22) WINDOW GLASS (*SIDE*)
- (21) WINDOW FRAMES (*SIDE*)
- (26) ROOF SIDE RAIL
- (14) A-PILLAR
- (15) B-PILLAR
- (16) C-PILLAR
- (17) D-PILLAR

## FLOOR

- (40) FLOOR
- (27) CONSOLE ON FLOOR OR BETWEEN SEATS
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (91) KICKPANEL

## ROOF

- (25) ROOF OR CONVERTIBLE TOP
- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (26) ROOF SIDE RAIL
- (24) COAT HOOK
- (18) DOME LIGHT
- (39) BACKLIGHT HEADER
- (68) ROOF MOUNTED CONTROLS/CONSOLE
- (69) ROLL BAR

## EXTERIOR SURFACE OF CASE VEHICLE

- (37) OUTSIDE SURFACE OF CASE VEHICLE (*SPECIFIC AREA UNKNOWN*)
- (35) HOOD OF CASE VEHICLE
- (60) EXTERIOR OF CASE VEHICLE (*E.G. OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (62) EXTERIOR SIDE ROOF RAIL OF CASE VEHICLE
- (63) TRUNK LID OF CASE VEHICLE
- (64) TIRES OF CASE VEHICLE

## BEYOND CASE VEHICLE BOUNDARY

- (36) AREA EXTERIOR TO CAR (*SPECIFIC AREA UNK.*)
- (70) HOOD OF OTHER VEHICLE
- (71) OTHER VEHICLE EXTERIOR HARDWARE (*E.G. OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (73) EXTERIOR SIDE ROOF RAIL OF OTHER VEHICLE
- (74) HEADLIGHT OR FRONT GRILL OF OTHER VEH.
- (75) TRUNK OF OTHER VEHICLE
- (76) OUTSIDE SURFACE OF OTHER VEHICLE
- (77) TIRES OF OTHER VEHICLE
- (78) GROUND
- (79) WATER
- (80) EXTERIOR OBJECT (*NOT VEHICLE, GROUND, OR WATER. PLEASE DESCRIBE.*)

## PENETRATING OBJECTS

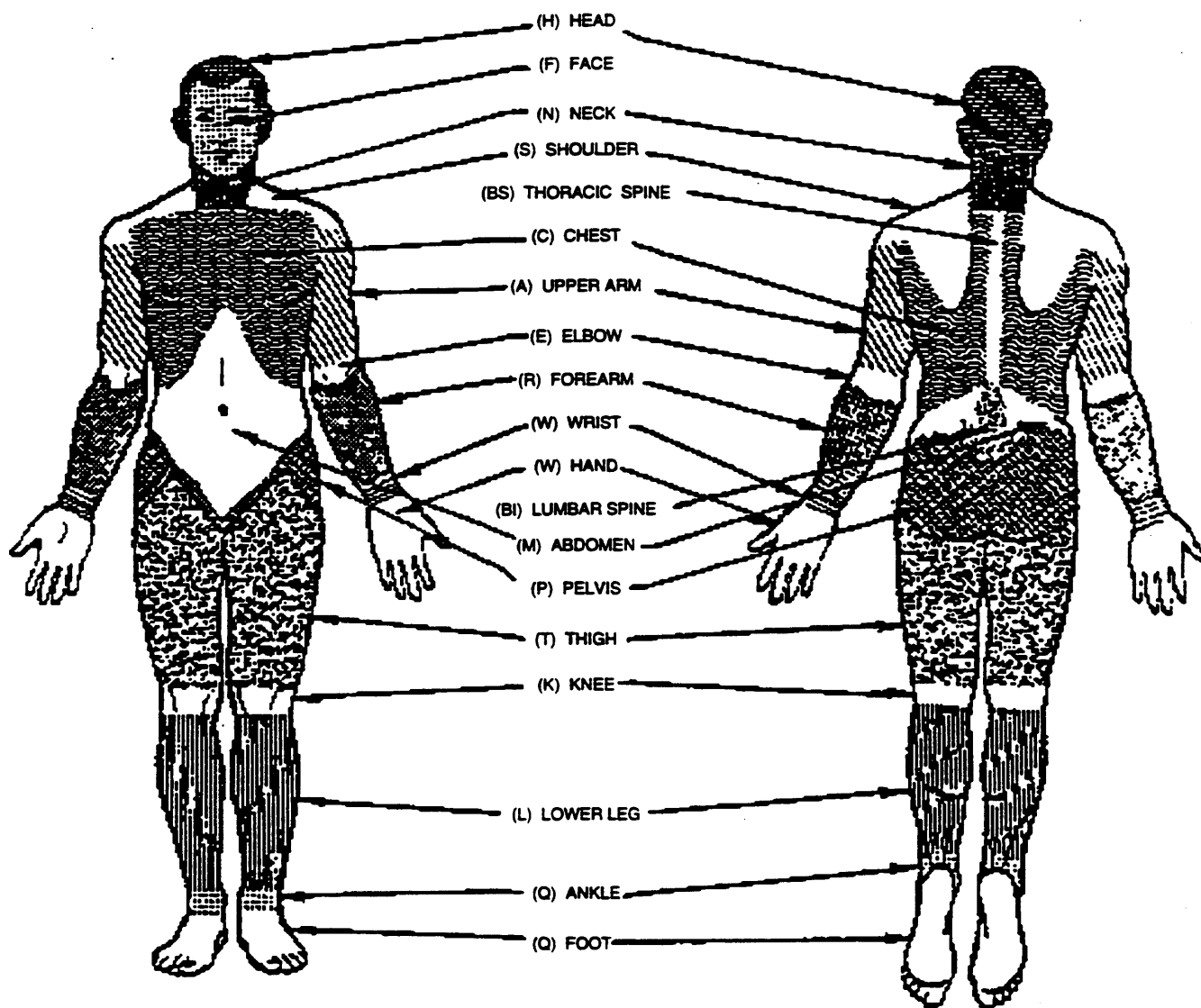
- (61) OTHER VEHICLE
- (72) OBJECTS (*DESCRIBE*)

## MISCELLANEOUS

- (00) NO CONTACT (*INVALID FIELD FORM CODE*)
- (38) OTHER (*E.G. FIRE. DESCRIBE*)
- (90) SPARE TIRE
- (96) INDUCED
- (97) EJECTED, UNKNOWN CONTACT
- (98) IMPACT FORCE, "WHIPLASH", HYPEREXTENSION/COMPRESSION
- (99) UNKNOWN AREA OF CONTACT

## INJURY CLASSIFICATION IC-3

THE FIGURE BELOW  
IS AN EXPLANATION OF THE BODY REGION CODES  
LISTED ON PAGE IC - 4.



## INJURY CLASSIFICATION IC-4

## CODES FOR OCCUPANT INJURY CLASSIFICATION (OIC)

**1 BODY REGION**

(H) HEAD/SKULL  
 (F) FACE  
 (N) NECK  
 (S) SHOULDER  
 (X) UPPER EXTREMITIES  
 (A) ARM (*UPPER*)  
 (E) ELBOW  
 (R) FOREARM  
 (W) WRIST/HAND  
 (C) CHEST  
 (M) ABDOMEN  
 (B) BACK  
 (P) PELVIC/HIP  
 (Y) LOWER EXTREMITIES  
 (T) THIGH  
 (K) KNEE  
 (L) LEG (*LOWER*)  
 (Q) ANKLE/FOOT  
 (O) WHOLE BODY  
 (U) UNKNOWN

**3 LESION**

(L) LACERATION  
 (C) CONTUSION  
 (A) ABRASION  
 (F) FRACTURE  
 (P) PERFORATION, PUNCTURE  
 (K) CONCUSSION  
 (V) AVULSION  
 (R) RUPTURE  
 (S) SPRAIN  
 (D) DISLOCATION  
 (N) CRUSH  
 (M) AMPUTATION  
 (B) BURN  
 (G) DETACHMENT, SEPARATION  
 (Z) FRACTURE AND DISLOCATION  
 (T) STRAIN  
 (E) TOTAL SEVERANCE, TRANSECTION  
 (O) OTHER  
 (U) UNKNOWN

**4 SYSTEM/ORGAN**

(S) SKELETAL  
 (V) VERTEBRAE  
 (J) JOINTS  
 (D) DIGESTIVE  
 (L) LIVER  
 (N) NERVOUS SYSTEM  
 (B) BRAIN  
 (C) SPINAL CORD  
 (E) EARS  
 (O) EYES  
 (A) ARTERIES  
 (H) HEART  
 (Q) SPLEEN  
 (G) UROGENITAL  
 (K) KIDNEYS  
 (R) RESPIRATORY  
 (P) PULMONARY/LUNGS  
 (M) MUSCLES  
 (T) THYROID, OTHER ENDOCRINE GLAND  
 (I) INTEGUMENTARY (*SKIN*)  
 (W) ALL SYSTEMS IN REGION  
 (U) UNKNOWN

**2 ASPECT**

(R) RIGHT  
 (L) LEFT  
 (B) BILATERAL  
 (C) CENTRAL  
 (A) ANTERIOR/FRONT  
 (P) POSTERIOR/BACK  
 (S) SUPERIOR/UPPER  
 (I) INFERIOR/LOWER  
 (W) WHOLE REGION  
 (U) UNKNOWN

BODY REGION	ASPECT	LESION	SYSTEM/ORGAN	SEVERITY
1	2	3	4	5

**5 SEVERITY  
(OR "AIS", ABBREVIATED INJURY SCALE)**

(0) NONE  
 (1) MINOR  
 (2) MODERATE  
 (3) SERIOUS  
 (4) SEVERE  
 (5) CRITICAL  
 (6) MAXIMUM  
 (9) UNKNOWN

Duplicate columns 1-8  
from the previous card.Module 0 0 Format 0 2  
9 10 11 12

## OCCUPANT INFORMATION OC-1

## OCCUPANT IDENTIFICATION

OCCUPANT NUMBER

0 2  
13 14

ROLE OF OCCUPANT AT 1ST IMPACT

- (1) MOTOR VEHICLE DRIVER  
(2) MOTOR VEHICLE PASSENGER  
(NOT DRIVER)  
(9) UNKNOWN

2  
15

## PHYSICAL DESCRIPTION

AGE IN YEARS

- (00) LESS THAN 1 YEAR  
(98) 98 YEARS OR OLDER  
(99) UNKNOWN

2 4  
20 21

AGE IN MONTHS

- (00) LESS THAN 1 MONTH  
(25) 25 MONTHS OR OLDER  
(99) UNKNOWN

2 5  
22 23

MASS (kg)

(999) UNKNOWN

(125 lb)0 5 7  
24 25 26

HEIGHT (cm)

(999) UNKNOWN

(5ft 6in)1 6 8  
27 28 29

SEX

- (1) MALE  
(2) FEMALE  
(9) UNKNOWN

2  
30

## OCCUPANT POSITION

ROW LOCATION

- (1) FRONT  
(2) SECOND  
(3) THIRD  
(4) FOURTH  
(7) OTHER: \_\_\_\_\_  
(8) EXTERNAL TO PASSENGER  
COMPARTMENT (E.G. BED OF PICKUP)  
(9) UNKNOWN

1  
16

LATERAL LOCATION

- (1) LEFT  
(2) LEFT CENTER  
(3) CENTER  
(4) RIGHT CENTER  
(5) RIGHT  
(6) ALL (LYING ON SEAT)  
(8) EXTERNAL TO PASSENGER  
COMPARTMENT  
(9) UNKNOWN

5  
17

POSTURE

- (10) SITTING ON SEAT  
(11) SITTING ON SEAT IN ABNORMAL  
POSITION (E.G. FEET ON DASH,  
SIDEWAYS)  
(12) SITTING ON CONSOLE  
(20) ON LAP OR IN ARMS  
(30) STANDING ON SEAT  
(40) STANDING ON FLOOR  
(47) STANDING, EXTERNAL TO  
PASSENGER COMPARTMENT  
(50) IN BASSINET  
(60) IN CHILD SEAT  
(65) IN CHILD HARNESS  
(70) LYING ON SEAT  
(80) LYING/SITTING ON PASSENGER  
FLOOR  
(83) LYING/SITTING ON OTHER  
OBJECT IN PASSENGER  
COMPARTMENT: \_\_\_\_\_  
(85) ON CARGO FLOOR/FOLDED  
SEAT-BACK  
(87) LYING/SITTING, EXTERNAL TO  
PASSENGER COMPARTMENT  
(97) OTHER: \_\_\_\_\_  
(99) UNKNOWN

1 0  
18 19

## MEDICAL CONDITIONS

TREATMENT/MORTALITY

- (00) NONE  
(01) FIRST AID AT SCENE  
(02) TREATED AT HOSPITAL/CLINIC  
BUT NOT ADMITTED  
(03) HOSPITALIZED FOR OBSERVATION  
LESS THAN 24 HOURS  
(04) HOSPITALIZED OVER 24 HOURS  
OR FOR SIGNIFICANT TREATMENT  
(05) FATAL, DEAD AT SCENE  
(06) FATAL, DOA  
(07) FATAL, DEAD WITHIN 24 HOURS  
(08) FATAL, DEAD 24 HOURS TO  
31 DAYS LATER  
(09) FATAL, DEAD 31 DAYS TO  
1 YEAR LATER  
(10) FATAL DEAD WITHIN UNKNOWN  
PERIOD  
(99) UNKNOWN

0 0  
31 32

INJURY SEVERITY SCORE (ISS)

(99) UNKNOWN

0 1  
33 34

NON-IMPACT MED. CONDITIONS

- (0) NONE  
(1) YES, TIME & TYPE UNKNOWN  
(2) PRE-CRASH FATAL (CLINICAL  
DEATH AT WHEEL)  
(3) PRE-CRASH NON-FATAL (E.G.  
PRIOR INJURY, STROKE)  
(4) PREGNANT  
(5) POST-CRASH FATAL (DROWNING)  
(6) POST-CRASH NON-FATAL INJURY  
(7) OTHER: \_\_\_\_\_  
(8) COMBINATION OF ABOVE  
(CIRCLE EACH)  
(9) UNKNOWN

0  
35

## MEDICAL CONDITIONS (CONT.)

POLICE INJURY SEVERITY  
CODE FOR THIS OCCUPANT

- (0) O - NO INJURY  
 (1) C - POSSIBLE INJURY  
 (2) B - NON-INCAPACITATING  
 (3) A - INCAPACITATING INJURY  
 (4) K - FATAL  
 (5) INJURED, SEVERITY UNKNOWN  
 (6) DIED PRIOR TO IMPACT  
 (7) NON-FATAL INJURY,  
 SEVERITY UNKNOWN  
 (9) UNKNOWN

9  
36

## CHILD SEAT TYPE

- (00) NONE USED  
 (01) YES, USED  
 (02) INTEGRAL, Chrysler Mini-van  
 (88) NOT APPLICABLE  
 (ADULT OR OLDER CHILD)  
 (99) UNKNOWN

8 8  
41 42

## CHILD SEAT MAKE/MODEL

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## RESTRAINT SYSTEM

## ACTIVE RESTRAINT SYSTEM

- (0) NONE  
 (1) LAP BELT  
 (2) SHOULDER HARNESS ONLY  
 (3) BOTH LAP BELT &  
 SHOULDER HARNESS  
 (9) UNKNOWN

3  
37

## ACTIVE RESTRAINT SYSTEM USAGE

- (0) NONE (AVAILABLE BUT NOT USED)  
 (1) LAP BELT ONLY  
 (2) SHOULDER HARNESS ONLY  
 (3) BOTH LAP BELT &  
 SHOULDER HARNESS  
 (7) IMPROPER USAGE  
 (8) NOT APPLICABLE (NONE AVAILABLE)  
 (9) UNKNOWN

3  
38

## PASSIVE RESTRAINT SYSTEM

- (0) NONE  
 (1) AIRBAG INSTALLED  
 (2) PASSIVE UPPER TORSO  
 WITH KNEE BOLSTERS  
 (3) PASSIVE UPPER TORSO  
 WITHOUT KNEE BOLSTERS  
 (4) PASSIVE LAP & UPPER TORSO  
 (5) AIRBAG INSTALLED &  
 PASSIVE RESTRAINT  
 (7) OTHER: \_\_\_\_\_  
 (9) UNKNOWN

1  
39

## PASSIVE RESTRAINT SYSTEM USAGE

- (0) SYSTEM DEFEATED  
 (1) AIRBAG NOT DEPLOYED  
 (2) AIRBAG DEPLOYED  
 (3) AIRBAG NOT REINSTALLED  
 (4) PASSIVE UPPER TORSO USED  
 (5) PASSIVE LAP & UPPER TORSO USED  
 (6) SYSTEM USED IN MANUAL MODE  
 (7) IMPROPER USAGE  
 (8) NOT APPLICABLE (NOT ORIGINALLY  
 EQUIPPED)  
 (9) UNKNOWN

2  
40

## EJECTION

## DEGREE OF EJECTION

- (0) NONE  
 (1) PARTIAL  
 (2) COMPLETE  
 (7) EJECTED, DEGREE UNKNOWN  
 (9) UNKNOWN IF EJECTED

0  
43

## AREA OF EJECTION

- (01) WINDOW, LEFT SIDE  
 (02) WINDOW, RIGHT SIDE  
 (03) WINDOW, REAR  
 (04) DOOR, LEFT SIDE  
 (05) DOOR, RIGHT SIDE  
 (06) DOOR, REAR OR TAILGATE  
 (07) WINDSHIELD  
 (08) ROOF OR OPEN CONVERTIBLE OR  
 FROM EXTERNAL AREA  
 (96) EJECTED AREA UNKNOWN  
 (97) OTHER AREA: \_\_\_\_\_  
 (98) NOT APPLICABLE (NOT EJECTED)  
 (99) UNKNOWN IF EJECTED

9 8  
44 45

IF OCCUPANT WAS EJECTED, DESCRIBE  
IN DETAIL BELOW:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## HEAD RESTRAINT

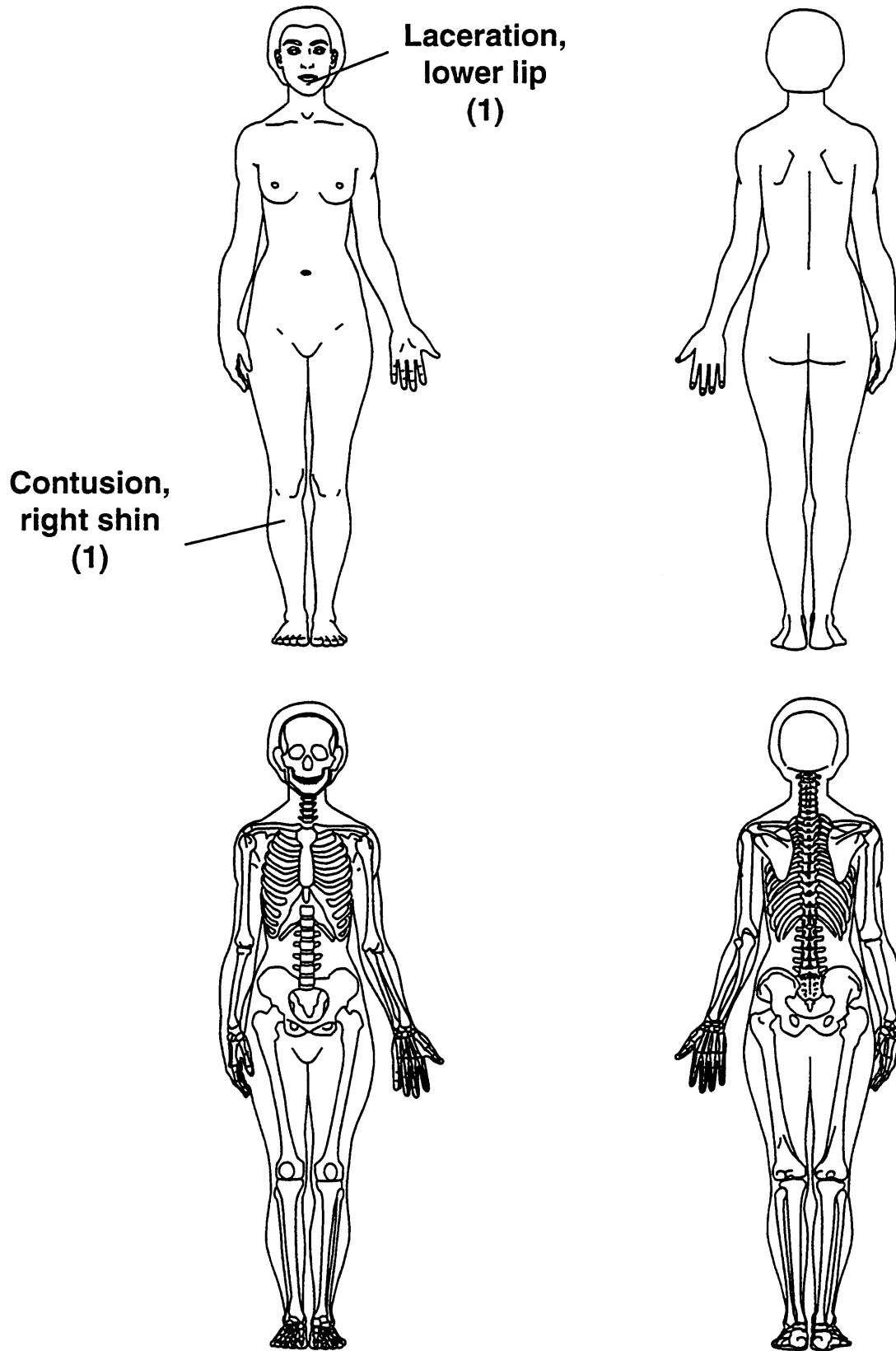
HEAD RESTRAINT AVAILABLE  
FOR THIS POSITION

- (0) NOT EQUIPPED OR REMOVED  
 (1) EQUIPPED  
 (9) UNKNOWN

1  
46

# OCCUPANT INFORMATION OC-3

<p><b>OCCUPANT EYEWEAR</b></p> <p>(0) NONE  (1) GLASSES  (2) CONTACTS  (3) BOTH GLASSES AND CONTACTS  (4) OTHER _____  (8) NOT APPLICABLE  (9) UNKNOWN</p>	<p><u>0</u> 47</p>	<p><b>SOURCE OF INFORMATION</b></p> <p>(0) INTERVIEW  (1) HOSPITAL  (2) AUTOPSY  (3) POLICE  (4) OTHER _____  (5) LAY CORONER/EXTERNAL EXAM  (7) COMBINATION OF ABOVE (CIRCLE)  (8) NOT APPLICABLE  (9) UNKNOWN</p>	<p><u>0</u> 48</p>
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Duplicate columns 1-8  
from the previous card.

Module 1 C Format 0 1  
9 10 11 12

INJURY CLASSIFICATION IC-1

NOTE: Each line in the table below is a separate record (card).  
Duplicate columns 1 - 12 for each completed line.

# OCCUPANT INJURY CLASSIFICATION

					PRIMARY OIC					ASSOCIATED OIC					COMMENTS
OCCUPANT NUMBER	INJURY NUMBER	PLACE CONTACTS IN ORDER OF PROBABILITY (HORIZONTALLY). START WITH MOST PROBABLE IN 1ST CONTACT AREA COLUMN.		AREA(S) OF POSSIBLE CONTACT 1ST 2ND	BODY REGION 1	ASPECT 2	LESION 3	SYSTEM ORG 4	SEVERITY 5	BODY REGION 1	ASPECT 2	LESION 3	SYSTEM ORG 4	SEVERITY 5	
		17-18	19-20												
13-14	15-16	17-18	19-20	COMMENTS	21	22	23	24	25	26	27	28	29	30	
<u>02</u>	<u>01</u>	<u>38</u>	<u>87</u>	<i>Pop bottle</i>	<u>F</u>	<u>I</u>	<u>L</u>	<u>I</u>	<u>1</u>	—	—	—	—	—	
	<u>02</u>	<u>02</u>	—		<u>L</u>	<u>R</u>	<u>C</u>	<u>I</u>	<u>1</u>	—	—	—	—	—	
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	—	—	—		—	—	—	—	—	—	—	—	—	—	

NOTE: USE ADDITIONAL PAGES IF NECESSARY.

## CODES FOR AREAS OF POSSIBLE OCCUPANT CONTACT

## FRONT OF PASSENGER COMPARTMENT

- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (12) WINDSHIELD
- (05) INSTRUMENT PANEL (*SPECIFIC AREA UNKNOWN*)
- (54) UPPER INSTRUMENT PANEL (X)
- (55) MIDDLE INSTRUMENT PANEL (Y)
- (56) LOWER INSTRUMENT PANEL (Z)
- (81) ASH TRAY (*INSTRUMENT PANEL*)
- (02) GLOVE COMPARTMENT AREA
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER
- (57) BENEATH INSTRUMENT PANEL
- (53) PARCEL TRAY
- (48) KNEE RESTRAINT
- (86) VERTICAL CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (09) STEERING ASSEMBLY (*SPECIFIC AREA UNKNOWN*)
- (65) STEERING WHEEL
- (66) STEERING WHEEL COLUMN
- (59) TRANSMISSION LEVER ON COLUMN
- (03) HARDWARE ITEM (*SPECIFIC AREA UNKNOWN*)
- (82) INSTRUMENT(S)
- (83) CONTROL KNOB(S) & LEVER(S) (*FRONT*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (67) IGNITION KEY
- (06) MIRROR
- (04) HEATER OR AIR CONDITIONING DUCTS
- (01) AIR CONDITIONING OR VENTILATION OUTLET(S)
- (08) RADIO (*BUILT IN*)
- (58) ADD-ON TAPE DECK, RADIO, A/C
- (68) ROOF MOUNTED CONTROLS/CONSOLES

## REAR

- (88) SURFACE OF REAR INTERIOR
- (23) REAR WINDOW
- (39) REAR WINDOW HEADER
- (50) REAR SEAT CUSHION & BACK

## INTERIOR-GENERAL

- (11) TRANSMISSION SELECTION LEVER (*LOCATION UNK.*)
- (59) TRANSMISSION LEVER ON STEERING COLUMN
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (07) PARKING BRAKE HANDLE (*LOCATION UNKNOWN*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (29) FRONT SEAT-BACK(S)
- (51) FRONT SEAT CUSHION
- (50) REAR SEAT CUSHION & BACK
- (49) ARMREST ON SEAT
- (89) UNDER SEAT BOTTOM
- (33) RESTRAINT SYSTEM HARDWARE
- (34) RESTRAINT SYSTEM WEBBING
- (87) AIR CUSHION SKIN (AIRBAG)
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER
- (46) AIRBAG GAS
- (48) KNEE RESTRAINT
- (30) HEAD RESTRAINT
- (42) CHILD SEAT RESTRAINTS
- (43) CHILD SEAT
- (31) INTERIOR LOOSE OBJECT
- (32) OTHER OCCUPANT(S)
- (52) INTERNAL FLYING GLASS (*FROM ANY SOURCE*)
- (41) UNKNOWN INTERIOR SURFACE

## SIDES

- (20) SURFACE OF SIDE INTERIOR
- (19) HARDWARE ON SIDE OR DOOR
- (13) ARMREST ON SIDE OR DOOR
- (24) COAT HOOK
- (22) WINDOW GLASS (*SIDE*)
- (21) WINDOW FRAMES (*SIDE*)
- (26) ROOF SIDE RAIL
- (14) A-PILLAR
- (15) B-PILLAR
- (16) C-PILLAR
- (17) D-PILLAR

## FLOOR

- (40) FLOOR
- (27) CONSOLE ON FLOOR OR BETWEEN SEATS
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (91) KICKPANEL

## ROOF

- (25) ROOF OR CONVERTIBLE TOP
- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (26) ROOF SIDE RAIL
- (24) COAT HOOK
- (18) DOME LIGHT
- (39) BACKLIGHT HEADER
- (68) ROOF MOUNTED CONTROLS/CONSOLE
- (69) ROLL BAR

## EXTERIOR SURFACE OF CASE VEHICLE

- (37) OUTSIDE SURFACE OF CASE VEHICLE (*SPECIFIC AREA UNKNOWN*)
- (35) HOOD OF CASE VEHICLE
- (60) EXTERIOR OF CASE VEHICLE (E.G. *OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (62) EXTERIOR SIDE ROOF RAIL OF CASE VEHICLE
- (63) TRUNK LID OF CASE VEHICLE
- (64) TIRES OF CASE VEHICLE

## BEYOND CASE VEHICLE BOUNDARY

- (36) AREA EXTERIOR TO CAR (*SPECIFIC AREA UNK.*)
- (70) HOOD OF OTHER VEHICLE
- (71) OTHER VEHICLE EXTERIOR HARDWARE (E.G. *OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (73) EXTERIOR SIDE ROOF RAIL OF OTHER VEHICLE
- (74) HEADLIGHT OR FRONT GRILL OF OTHER VEH.
- (75) TRUNK OF OTHER VEHICLE
- (76) OUTSIDE SURFACE OF OTHER VEHICLE
- (77) TIRES OF OTHER VEHICLE
- (78) GROUND
- (79) WATER
- (80) EXTERIOR OBJECT (*NOT VEHICLE, GROUND, OR WATER. PLEASE DESCRIBE.*)

## PENETRATING OBJECTS

- (61) OTHER VEHICLE
- (72) OBJECTS (*DESCRIBE*)

## MISCELLANEOUS

- (00) NO CONTACT (*INVALID FIELD FORM CODE*)
- (38) OTHER (E.G. *FIRE. DESCRIBE*)
- (90) SPARE TIRE
- (96) INDUCED
- (97) EJECTED, UNKNOWN CONTACT
- (98) IMPACT FORCE, "WHIPLASH", HYPEREXTENSION/COMPRESSION
- (99) UNKNOWN AREA OF CONTACT

TEAM REPORT NUMBER: UM - 3724 - 98Duplicate columns 1-8  
from the previous card.Module 0 C Format 0 2  
9 10 11 12

## OCCUPANT INFORMATION OC-1

## OCCUPANT IDENTIFICATION

OCCUPANT NUMBER

03  
13 14

ROLE OF OCCUPANT AT 1ST IMPACT

- (1) MOTOR VEHICLE DRIVER  
(2) MOTOR VEHICLE PASSENGER  
(NOT DRIVER)  
(9) UNKNOWN

2  
15

## OCCUPANT POSITION

ROW LOCATION

- (1) FRONT  
(2) SECOND  
(3) THIRD  
(4) FOURTH  
(7) OTHER: \_\_\_\_\_  
(8) EXTERNAL TO PASSENGER  
COMPARTMENT (E.G. BED OF PICKUP)  
(9) UNKNOWN

2  
16

LATERAL LOCATION

- (1) LEFT  
(2) LEFT CENTER  
(3) CENTER  
(4) RIGHT CENTER  
(5) RIGHT  
(6) ALL (LYING ON SEAT)  
(8) EXTERNAL TO PASSENGER  
COMPARTMENT  
(9) UNKNOWN

5  
17

POSTURE

- (10) SITTING ON SEAT  
(11) SITTING ON SEAT IN ABNORMAL  
POSITION (E.G. FEET ON DASH,  
SIDEWAYS)  
(12) SITTING ON CONSOLE  
(20) ON LAP OR IN ARMS  
(30) STANDING ON SEAT  
(40) STANDING ON FLOOR  
(47) STANDING, EXTERNAL TO  
PASSENGER COMPARTMENT  
(50) IN BASSINET  
(60) IN CHILD SEAT  
(65) IN CHILD HARNESS  
(70) LYING ON SEAT  
(80) LYING/SITTING ON PASSENGER  
FLOOR  
(83) LYING/SITTING ON OTHER  
OBJECT IN PASSENGER  
COMPARTMENT: \_\_\_\_\_  
(85) ON CARGO FLOOR/FOLDED  
SEAT-BACK  
(87) LYING/SITTING, EXTERNAL TO  
PASSENGER COMPARTMENT  
(97) OTHER: \_\_\_\_\_  
(99) UNKNOWN

60  
18 19

## PHYSICAL DESCRIPTION

AGE IN YEARS

- (00) LESS THAN 1 YEAR  
(98) 98 YEARS OR OLDER  
(99) UNKNOWN

00  
20 21

AGE IN MONTHS

- (00) LESS THAN 1 MONTH  
(25) 25 MONTHS OR OLDER  
(99) UNKNOWN

05  
22 23

MASS (kg)

(999) UNKNOWN

(14 lb)

006  
24 25 26

HEIGHT (cm)

(999) UNKNOWN

(2 ft 2 in)

066  
27 28 29

SEX

- (1) MALE  
(2) FEMALE  
(9) UNKNOWN

2  
30

## MEDICAL CONDITIONS

TREATMENT/MORTALITY

- (00) NONE  
(01) FIRST AID AT SCENE  
(02) TREATED AT HOSPITAL/CLINIC  
BUT NOT ADMITTED  
(03) HOSPITALIZED FOR OBSERVATION  
LESS THAN 24 HOURS  
(04) HOSPITALIZED OVER 24 HOURS  
OR FOR SIGNIFICANT TREATMENT  
(05) FATAL, DEAD AT SCENE  
(06) FATAL, DOA  
(07) FATAL, DEAD WITHIN 24 HOURS  
(08) FATAL, DEAD 24 HOURS TO  
31 DAYS LATER  
(09) FATAL, DEAD 31 DAYS TO  
1 YEAR LATER  
(10) FATAL DEAD WITHIN UNKNOWN  
PERIOD  
(99) UNKNOWN

00  
31 32

INJURY SEVERITY SCORE (ISS)

(99) UNKNOWN

00  
33 34

NON-IMPACT MED. CONDITIONS

- (0) NONE  
(1) YES, TIME & TYPE UNKNOWN  
(2) PRE-CRASH FATAL (CLINICAL  
DEATH AT WHEEL)  
(3) PRE-CRASH NON-FATAL (E.G.  
PRIOR INJURY, STROKE)  
(4) PREGNANT  
(5) POST-CRASH FATAL (DROWNING)  
(6) POST-CRASH NON-FATAL INJURY  
(7) OTHER: \_\_\_\_\_  
(8) COMBINATION OF ABOVE  
(CIRCLE EACH)  
(9) UNKNOWN

0  
35

## OCCUPANT INFORMATION OC-2

## MEDICAL CONDITIONS (CONT.)

POLICE INJURY SEVERITY  
CODE FOR THIS OCCUPANT

- (0) O - NO INJURY  
 (1) C - POSSIBLE INJURY  
 (2) B - NON-INCAPACITATING  
 (3) A - INCAPACITATING INJURY  
 (4) K - FATAL  
 (5) INJURED, SEVERITY UNKNOWN  
 (6) DIED PRIOR TO IMPACT  
 (7) NON-FATAL INJURY,  
 SEVERITY UNKNOWN  
 (9) UNKNOWN

9  
36

## CHILD SEAT TYPE

- (00) NONE USED  
 (01) YES, USED  
 (02) INTEGRAL, Chrysler Mini-van  
 (88) NOT APPLICABLE  
 (ADULT OR OLDER CHILD)  
 (99) UNKNOWN

0 1  
41 42

## CHILD SEAT MAKE/MODEL

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## RESTRAINT SYSTEM

## ACTIVE RESTRAINT SYSTEM

- (0) NONE  
 (1) LAP BELT  
 (2) SHOULDER HARNESS ONLY  
 (3) BOTH LAP BELT &  
 SHOULDER HARNESS  
 (9) UNKNOWN

3  
37

## ACTIVE RESTRAINT SYSTEM USAGE

- (0) NONE (AVAILABLE BUT NOT USED)  
 (1) LAP BELT ONLY  
 (2) SHOULDER HARNESS ONLY  
 (3) BOTH LAP BELT &  
 SHOULDER HARNESS  
 (7) IMPROPER USAGE  
 (8) NOT APPLICABLE (NONE AVAILABLE)  
 (9) UNKNOWN

3  
38

## PASSIVE RESTRAINT SYSTEM

- (0) NONE  
 (1) AIRBAG INSTALLED  
 (2) PASSIVE UPPER TORSO  
 WITH KNEE BOLSTERS  
 (3) PASSIVE UPPER TORSO  
 WITHOUT KNEE BOLSTERS  
 (4) PASSIVE LAP & UPPER TORSO  
 (5) AIRBAG INSTALLED &  
 PASSIVE RESTRAINT  
 (7) OTHER: \_\_\_\_\_  
 (9) UNKNOWN

0  
39

## PASSIVE RESTRAINT SYSTEM USAGE

- (0) SYSTEM DEFEATED  
 (1) AIRBAG NOT DEPLOYED  
 (2) AIRBAG DEPLOYED  
 (3) AIRBAG NOT REINSTALLED  
 (4) PASSIVE UPPER TORSO USED  
 (5) PASSIVE LAP & UPPER TORSO USED  
 (6) SYSTEM USED IN MANUAL MODE  
 (7) IMPROPER USAGE  
 (8) NOT APPLICABLE (NOT ORIGINALLY  
 EQUIPPED)  
 (9) UNKNOWN

8  
40

## EJECTION

## DEGREE OF EJECTION

- (0) NONE  
 (1) PARTIAL  
 (2) COMPLETE  
 (7) EJECTED, DEGREE UNKNOWN  
 (9) UNKNOWN IF EJECTED

0  
43

## AREA OF EJECTION

- (01) WINDOW, LEFT SIDE  
 (02) WINDOW, RIGHT SIDE  
 (03) WINDOW, REAR  
 (04) DOOR, LEFT SIDE  
 (05) DOOR, RIGHT SIDE  
 (06) DOOR, REAR OR TAILGATE  
 (07) WINDSHIELD  
 (08) ROOF OR OPEN CONVERTIBLE OR  
 FROM EXTERNAL AREA  
 (96) EJECTED AREA UNKNOWN  
 (97) OTHER AREA: \_\_\_\_\_  
 (98) NOT APPLICABLE (NOT EJECTED)  
 (99) UNKNOWN IF EJECTED

9 8  
44 45

IF OCCUPANT WAS EJECTED, DESCRIBE  
IN DETAIL BELOW:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## HEAD RESTRAINT

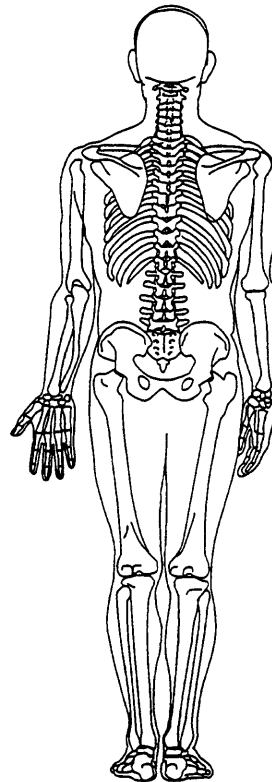
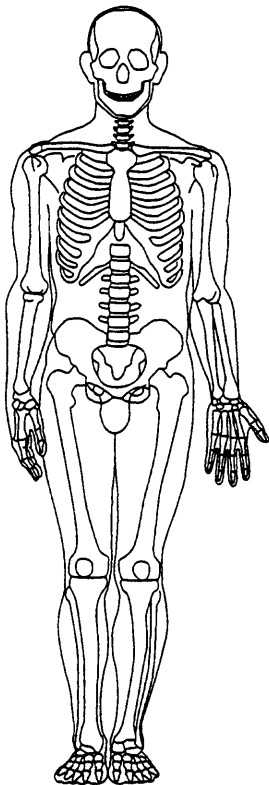
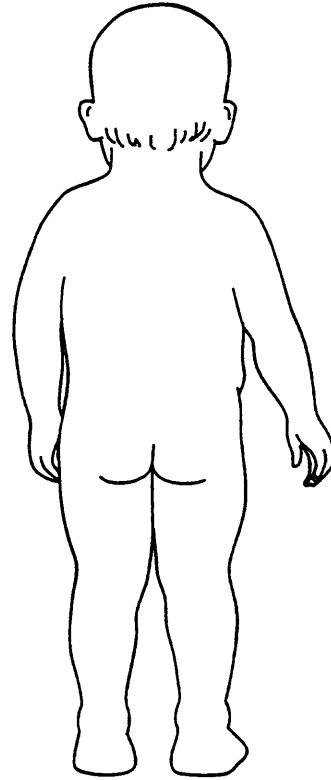
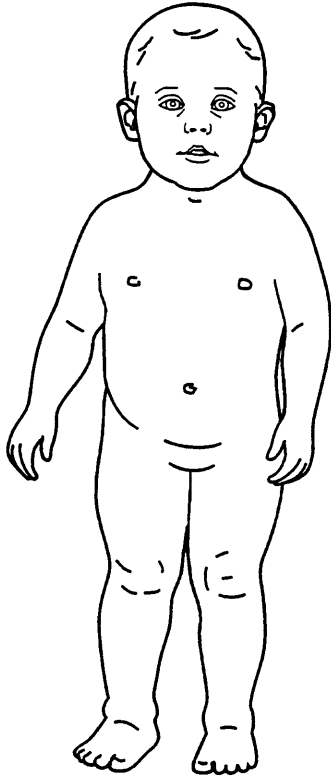
HEAD RESTRAINT AVAILABLE  
FOR THIS POSITION

- (0) NOT EQUIPPED OR REMOVED  
 (1) EQUIPPED  
 (9) UNKNOWN

1  
46

OCCUPANT INFORMATION OC-3			
<b>OCCUPANT EYEWEAR</b>		<b>SOURCE OF INFORMATION</b>	
(0) NONE	<u>0</u> 47	(0) INTERVIEW	<u>0</u> 48
(1) GLASSES		(1) HOSPITAL	
(2) CONTACTS		(2) AUTOPSY	
(3) BOTH GLASSES AND CONTACTS		(3) POLICE	
(4) OTHER _____		(4) OTHER _____	
(8) NOT APPLICABLE		(5) LAY CORONER/EXTERNAL EXAM	
(9) UNKNOWN		(7) COMBINATION OF ABOVE (CIRCLE)	
		(8) NOT APPLICABLE	
		(9) UNKNOWN	

No injury



Duplicate columns 1-8  
from the previous card.

Module 1 C Format 0 1  
9 10 11 12

INJURY CLASSIFICATION IC-1

NOTE: Each line in the table below is a separate record (card).  
Duplicate columns 1 - 12 for each completed line.

## OCCUPANT INJURY CLASSIFICATION

					PRIMARY OIC					ASSOCIATED OIC					COMMENTS
OCCUPANT NUMBER	INJURY NUMBER	PLACE CONTACTS IN ORDER OF PROBABILITY (HORIZONTALLY). START WITH MOST PROBABLE IN 1ST CONTACT AREA COLUMN.			BODY REGION 1	ASPECT 2	LESION 3	SYSTEM/ORGAN 4	SEVERITY 5	BODY REGION 1	ASPECT 2	LESION 3	SYSTEM/ORGAN 4	SEVERITY 5	
		AREA(S) OF POSSIBLE CONTACT 1ST 2ND													
13-14	15-16	17-18	19-20	COMMENTS	21	22	23	24	25	26	27	28	29	30	
<u>03</u>	---	---	---	No Injury	---	---	---	---	---	---	---	---	---	---	
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NOTE: USE ADDITIONAL PAGES IF NECESSARY.

## CODES FOR AREAS OF POSSIBLE OCCUPANT CONTACT

## FRONT OF PASSENGER COMPARTMENT

- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (12) WINDSHIELD
- (05) INSTRUMENT PANEL (*SPECIFIC AREA UNKNOWN*)
- (54) UPPER INSTRUMENT PANEL (X)
- (55) MIDDLE INSTRUMENT PANEL (Y)
- (56) LOWER INSTRUMENT PANEL (Z)
- (81) ASH TRAY (*INSTRUMENT PANEL*)
- (02) GLOVE COMPARTMENT AREA
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER

- (57) BENEATH INSTRUMENT PANEL
- (53) PARCEL TRAY
- (48) KNEE RESTRAINT
- (86) VERTICAL CONSOLE

- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)

- (09) STEERING ASSEMBLY (*SPECIFIC AREA UNKNOWN*)
- (65) STEERING WHEEL
- (66) STEERING WHEEL COLUMN
- (59) TRANSMISSION LEVER ON COLUMN

- (03) HARDWARE ITEM (*SPECIFIC AREA UNKNOWN*)
- (82) INSTRUMENT(S)
- (83) CONTROL KNOB(S) & LEVER(S) (*FRONT*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (67) IGNITION KEY
- (06) MIRROR
- (04) HEATER OR AIR CONDITIONING DUCTS
- (01) AIR CONDITIONING OR VENTILATION OUTLET(S)
- (08) RADIO (*BUILT IN*)
- (58) ADD-ON TAPE DECK, RADIO, A/C
- (68) ROOF MOUNTED CONTROLS/CONSOLES

## REAR

- (88) SURFACE OF REAR INTERIOR
- (23) REAR WINDOW
- (39) REAR WINDOW HEADER
- (50) REAR SEAT CUSHION & BACK

## INTERIOR-GENERAL

- (11) TRANSMISSION SELECTION LEVER (*LOCATION UNK.*)
- (59) TRANSMISSION LEVER ON STEERING COLUMN
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (07) PARKING BRAKE HANDLE (*LOCATION UNKNOWN*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)

- (29) FRONT SEAT-BACK(S)
- (51) FRONT SEAT CUSHION
- (50) REAR SEAT CUSHION & BACK
- (49) ARMREST ON SEAT
- (89) UNDER SEAT BOTTOM

- (33) RESTRAINT SYSTEM HARDWARE
- (34) RESTRAINT SYSTEM WEBBING
- (87) AIR CUSHION SKIN (AIRBAG)
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER
- (46) AIRBAG GAS
- (48) KNEE RESTRAINT
- (30) HEAD RESTRAINT
- (42) CHILD SEAT RESTRAINTS
- (43) CHILD SEAT
- (31) INTERIOR LOOSE OBJECT
- (32) OTHER OCCUPANT(S)
- (52) INTERNAL FLYING GLASS (*FROM ANY SOURCE*)
- (41) UNKNOWN INTERIOR SURFACE

## SIDES

- (20) SURFACE OF SIDE INTERIOR
- (19) HARDWARE ON SIDE OR DOOR
- (13) ARMREST ON SIDE OR DOOR
- (24) COAT HOOK

- (22) WINDOW GLASS (*SIDE*)
- (21) WINDOW FRAMES (*SIDE*)

- (26) ROOF SIDE RAIL

- (14) A-PILLAR
- (15) B-PILLAR
- (16) C-PILLAR
- (17) D-PILLAR

## FLOOR

- (40) FLOOR
- (27) CONSOLE ON FLOOR OR BETWEEN SEATS
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (91) KICKPANEL

## ROOF

- (25) ROOF OR CONVERTIBLE TOP
- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (26) ROOF SIDE RAIL
- (24) COAT HOOK
- (18) DOME LIGHT
- (39) BACKLIGHT HEADER
- (68) ROOF MOUNTED CONTROLS/CONSOLE
- (69) ROLL BAR

## EXTERIOR SURFACE OF CASE VEHICLE

- (37) OUTSIDE SURFACE OF CASE VEHICLE (*SPECIFIC AREA UNKNOWN*)
- (35) HOOD OF CASE VEHICLE
- (60) EXTERIOR OF CASE VEHICLE (E.G. *OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (62) EXTERIOR SIDE ROOF RAIL OF CASE VEHICLE
- (63) TRUNK LID OF CASE VEHICLE
- (64) TIRES OF CASE VEHICLE

## BEYOND CASE VEHICLE BOUNDARY

- (36) AREA EXTERIOR TO CAR (*SPECIFIC AREA UNK.*)
- (70) HOOD OF OTHER VEHICLE
- (71) OTHER VEHICLE EXTERIOR HARDWARE (E.G. *OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (73) EXTERIOR SIDE ROOF RAIL OF OTHER VEHICLE
- (74) HEADLIGHT OR FRONT GRILL OF OTHER VEH.
- (75) TRUNK OF OTHER VEHICLE
- (76) OUTSIDE SURFACE OF OTHER VEHICLE
- (77) TIRES OF OTHER VEHICLE
- (78) GROUND
- (79) WATER
- (80) EXTERIOR OBJECT (*NOT VEHICLE, GROUND, OR WATER. PLEASE DESCRIBE.*)

## PENETRATING OBJECTS

- (61) OTHER VEHICLE
- (72) OBJECTS (*DESCRIBE*)

## MISCELLANEOUS

- (00) NO CONTACT (*INVALID FIELD FORM CODE*)
- (38) OTHER (E.G. *FIRE. DESCRIBE*)
- (90) SPARE TIRE
- (96) INDUCED
- (97) EJECTED, UNKNOWN CONTACT
- (98) IMPACT FORCE, "WHIPLASH", HYPEREXTENSION/COMPRESSION
- (99) UNKNOWN AREA OF CONTACT

Case No.: PN3724-98  
Case/Ver: 1A: 1000 Design  
Type: Damage 94.7, 4-door 4 x 4 SUV  
Driver: 28-year-old male  
Veh. ID: 1997 Nissan Maxima, 4-door sedan

Light Conditions: Daylight  
Weather: Clear  
Road Surface: Dry  
Road Construction: None





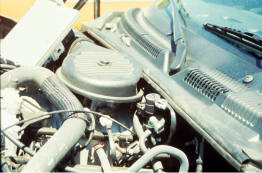
PN 3724-98 #2



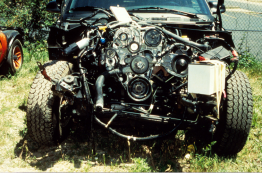
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PN 3724-98 #4



PN3724-98 #5



PN 3724-98 #6



PN 3724-98 #7



PN3724-98 #8



PN 3724-98 #9



PN 3724-98 #10



PN3724-98 #11



PN3724-98 #12



PN3724-98 #13  
Best Available



PN3724-98 #14



PN3724-88 #15



PN 3724-98 #16



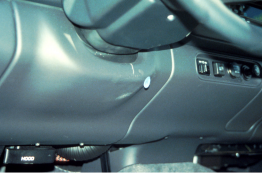
PN 3724-98 #17



PN 3724-98 #18



PN3724-98 #19



PN 3724-98 #20



PN 3724-98 #21



PN3724-98 #22



PN 3724-98 #23



PN 3724-98 #24



PN3724-98 #25



PN 3724-98 #26



PN 3724-98 #27



PN3724-98 #28



PN3724-98 #29



PN 3724-98 #30



PN 3724-98 #31



PN 3724-98 #32



PN 3724-98 #33



PN 3724-98 #34



PN 3724-98 #35



PN 3724-98 #36



PN3724-98 #37



PN 3724-98 #38



PN 3724-98 #39



FN 3724-98 #40



PN 3724-98 #41



PN 3724-98 #42



PN 3724-98 #43

CASE NO.: UM-3724-98

CASE VEHICLE: 1988 Dodge

TYPE: Garage SLT, 4-door 4 x 4 Sport

OCCUPANT: Driver, 35-year-old male

STATURE: 183 cm (5' 8 1/2") MASS: 84 kg (185 lb)

RESTRAINTS: 3-point belt worn; airbags deployed

SECURITY: MASH - 2     ISO - 3



CASE NO.: 08A-0724-08

CASE NAME: E. 4000 Bridge

TYPE: Burrito BUL, 4-door 4 x 4 SUV

OCCUPANT: Right front: 34-year-old female

STATURE: 168 cm (5'6" 4 in) MASS: 67 kg (125 lb)

RESTRAINTS: 3-point belt worn, airbag deployed

SEVERITY: MAIS - 1 ; OSF - 1



CASE NO.: U99-0724-98

CASE VEHICLE: 1998 Dodge

TYPE: Damage GLT, 4 door 4 x 6 SUV

OCCUPANT: Right second seat, 9-month-old female

STATURE: 46 cm (2 ft 2 in) MASS: 8 kg (14 lb)

RESTRAINTS: Properly belted into rearward-facing child seat;  
child seat properly belted to vehicle seat

SEVERITY: AAOB = 0 ; AOB = 0

No injury

